

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016113.D
 Acq On : 27 Oct 2023 18:54
 Operator : SY/MD
 Sample : 05107-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 06:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	162871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	264883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	222814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	96452	59.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.120%	
35) Dibromofluoromethane	7.722	113	83568	49.975	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.960%	
50) Toluene-d8	10.185	98	348397	56.247	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.500%	
62) 4-Bromofluorobenzene	12.483	95	99515	46.837	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.680%	

Target Compounds				Qvalue		
11) Tert butyl alcohol	4.948	59	2318	Below Cal	#	89
13) Acrolein	3.692	56	2170	10.758	ug/l #	1
14) Allyl chloride	4.594	41	3795	1.744	ug/l #	33
15) Acrylonitrile	5.247	53	6220	15.023	ug/l #	39
16) Acetone	3.948	43	50771	115.660	ug/l	91
17) Carbon Disulfide	4.204	76	6723	1.746	ug/l	97
20) Methylene Chloride	4.722	84	25207	10.093	ug/l #	80
25) 2-Butanone	6.984	43	22047	37.213	ug/l #	82
26) 2,2-Dichloropropane	6.978	77	2700	1.013	ug/l #	54
31) Cyclohexane	7.783	56	573704	225.171	ug/l	92
36) 1,1-Dichloropropene	8.167	75	433064	185.791	ug/l #	1
37) Ethyl Acetate	6.984	43	22047	18.453	ug/l #	84
38) Carbon Tetrachloride	7.789	117	15906	6.453	ug/l #	17
39) Methylcyclohexane	9.185	83	1240956	437.013	ug/l	93
40) Benzene	8.167	78	19828436	3004.610	ug/l #	86
42) 1,2-Dichloroethane	8.167	62	193072	101.250	ug/l #	78
43) Isopropyl Acetate	8.271	43	33623	15.052	ug/l #	55
45) 1,2-Dichloropropane	9.185	63	11218	6.716	ug/l #	1
48) Methyl methacrylate	9.246	41	30017	29.167	ug/l #	35
51) 4-Methyl-2-Pentanone	10.075	43	14159	12.012	ug/l #	82
52) Toluene	10.246	92	13805870	3257.850	ug/l #	71
53) t-1,3-Dichloropropene	10.246	75	187395	77.372	ug/l #	1
55) 1,1,2-Trichloroethane	10.624	97	114946	82.608	ug/l #	19
56) Ethyl methacrylate	10.526	69	65788	36.789	ug/l #	49
59) 2-Hexanone	10.801	43	107122	123.372	ug/l #	33
67) Ethyl Benzene	11.593	91	3227047	414.928	ug/l	98
68) m/p-Xylenes	11.703	106	6386218	2121.829	ug/l	86
69) o-Xylene	12.032	106	3005068	1042.916	ug/l	93
70) Styrene	12.044	104	748189	155.773	ug/l #	45
73) Isopropylbenzene	12.331	105	308933	53.234	ug/l	99
74) N-amyl acetate	12.124	43	54256	38.342	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.556	83	3233	2.725	ug/l #	28
76) 1,2,3-Trichloropropane	12.672	75	3429	4.073	ug/l #	100
77) Bromobenzene	12.404	156	512539	378.426	ug/l #	1
78) n-propylbenzene	12.672	91	580088	82.555	ug/l	98
79) 2-Chlorotoluene	12.733	91	234442	59.573	ug/l #	42

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016113.D
 Acq On : 27 Oct 2023 18:54
 Operator : SY/MD
 Sample : 05107-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

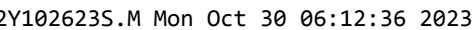
Quant Time: Oct 30 06:12:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

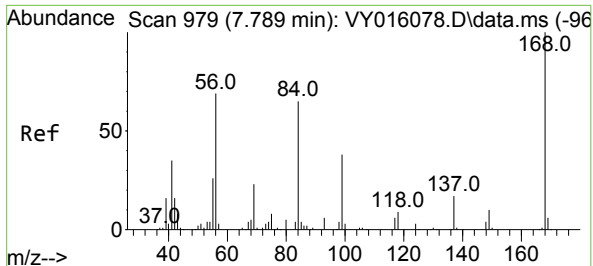
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

80) 1,3,5-Trimethylbenzene	12.812	105	1958452	406.469	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.428	75	22494	58.062	ug/l #	34
82) 4-Chlorotoluene	13.081	91	26262	6.435	ug/l	92
83) tert-Butylbenzene	13.075	119	36903	8.617	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	4203782	883.407	ug/l	97
85) sec-Butylbenzene	13.123	105	4202518	658.820	ug/l #	56
86) p-Isopropyltoluene	13.367	119	159886	30.038	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	5464	2.022	ug/l #	1
89) n-Butylbenzene	13.696	91	82532	16.622	ug/l #	54
90) Hexachloroethane	13.971	117	48562	46.862	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.526	75	1476	7.925	ug/l	64
95) Naphthalene	15.233	128	17929125	6136.905	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.391	180	2037	1.577	ug/l #	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 30 06:12:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 27 04:12:29 2023
Response via : Initial Calibration

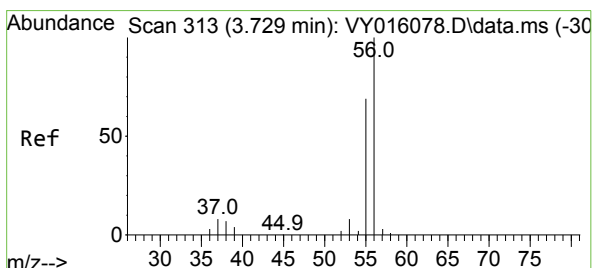
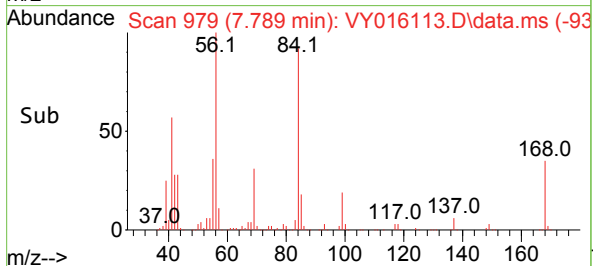
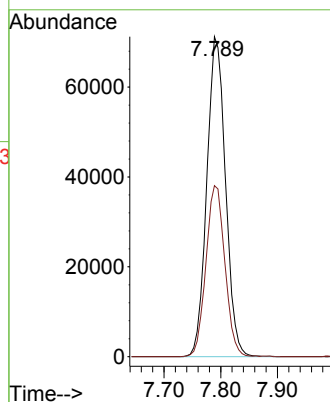
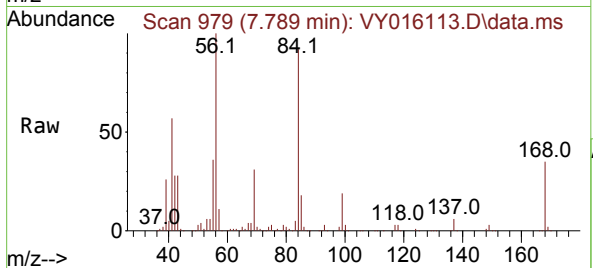




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

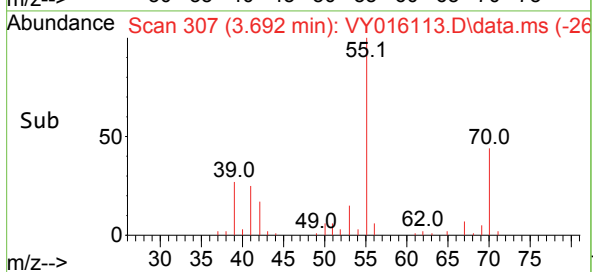
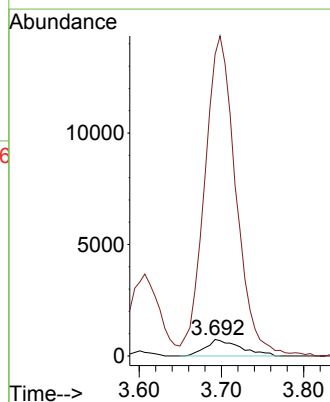
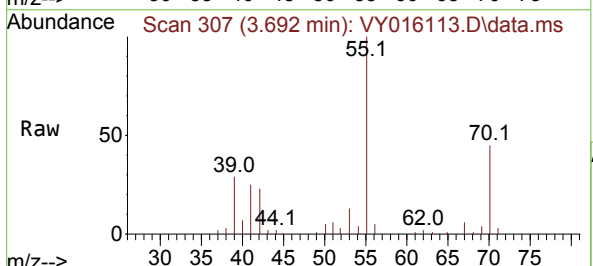
Instrument :
MSVOA_Y
ClientSampleId :

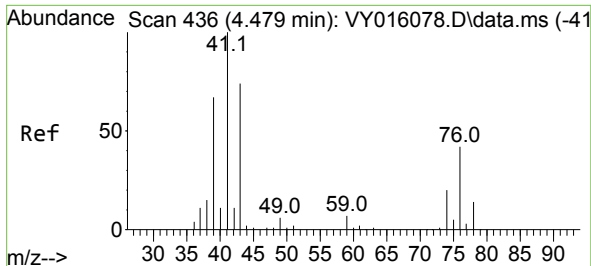
Tgt Ion:168 Resp: 162871
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#13
Acrolein
Concen: 10.758 ug/l
RT: 3.692 min Scan# 307
Delta R.T. -0.037 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

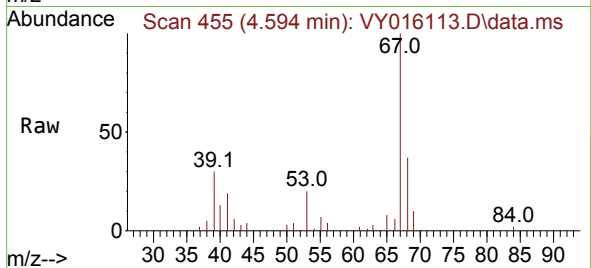
Tgt Ion: 56 Resp: 2170
Ion Ratio Lower Upper
56 100
55 1754.3 57.0 85.4#



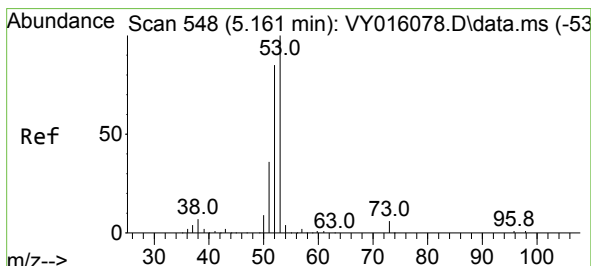
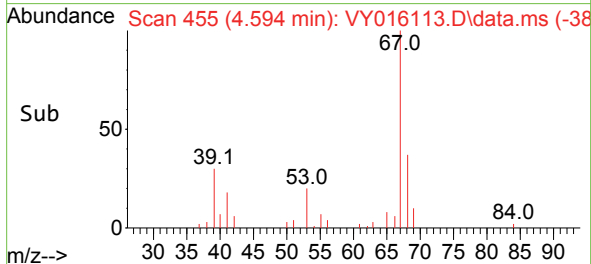
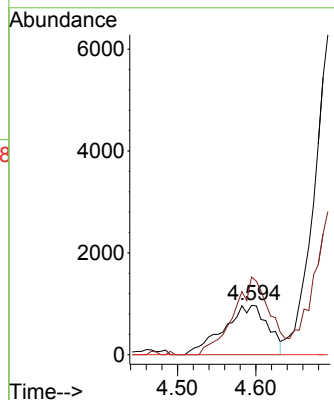


#14
 Allyl chloride
 Concen: 1.744 ug/l
 RT: 4.594 min Scan# 41
 Delta R.T. 0.116 min
 Lab File: VY016113.D
 Acq: 27 Oct 2023 18:54

Instrument :
 MSVOA_Y
 ClientSampleId :

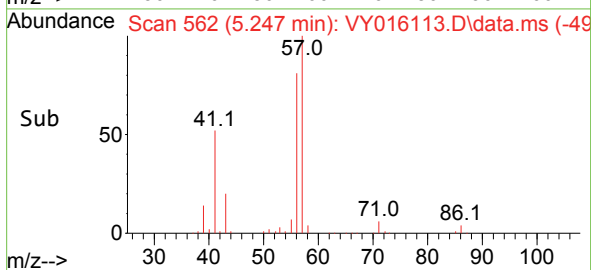
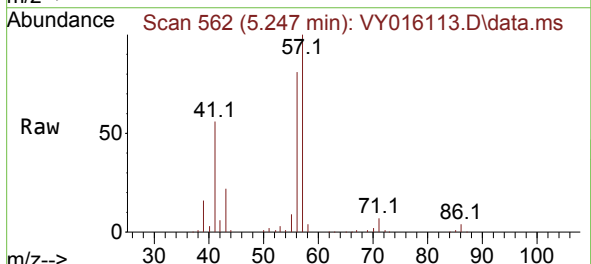
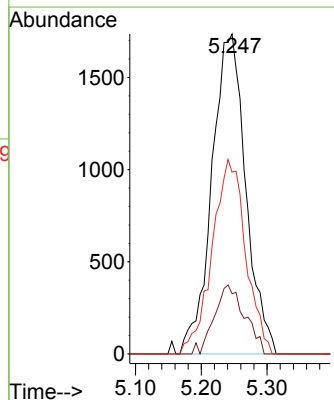


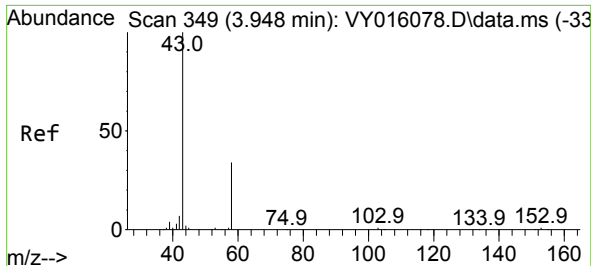
Tgt Ion: 41 Resp: 3795
 Ion Ratio Lower Upper
 41 100
 39 131.5 58.0 87.0#
 76 0.0 27.4 41.2#



#15
 Acrylonitrile
 Concen: 15.023 ug/l
 RT: 5.247 min Scan# 562
 Delta R.T. 0.085 min
 Lab File: VY016113.D
 Acq: 27 Oct 2023 18:54

Tgt Ion: 53 Resp: 6220
 Ion Ratio Lower Upper
 53 100
 52 19.4 66.9 100.3#
 51 60.2 29.8 44.6#





#16

Acetone

Concen: 115.660 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

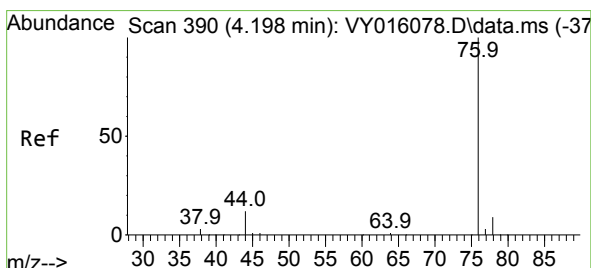
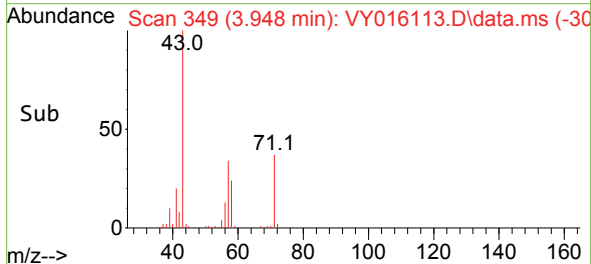
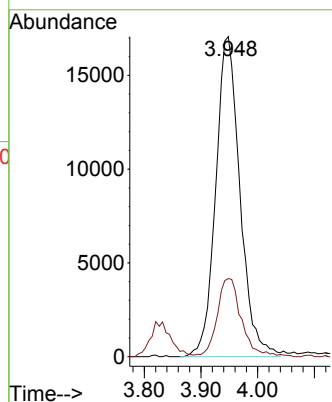
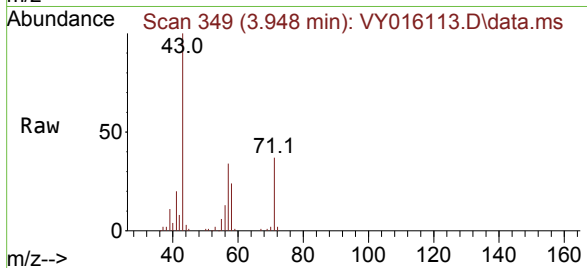
ClientSampleId :

Tgt Ion: 43 Resp: 50771

Ion Ratio Lower Upper

43 100

58 23.7 22.7 34.1



#17

Carbon Disulfide

Concen: 1.746 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY016113.D

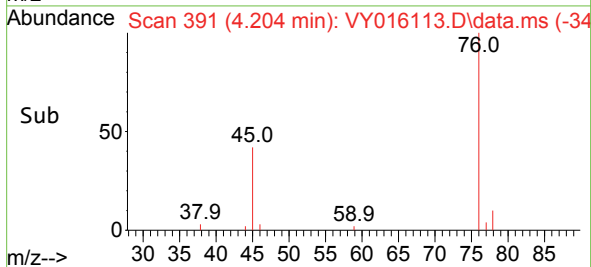
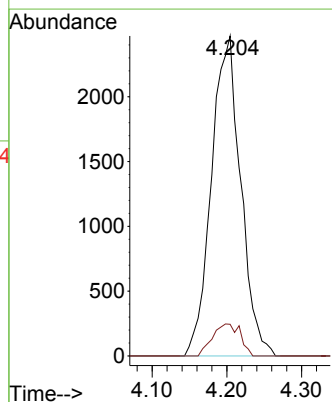
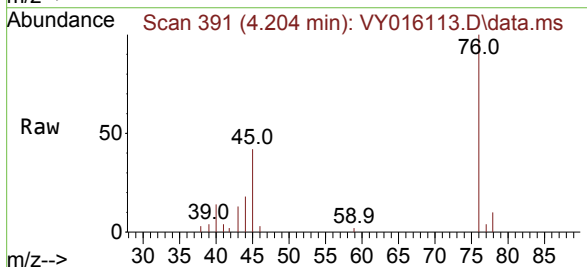
Acq: 27 Oct 2023 18:54

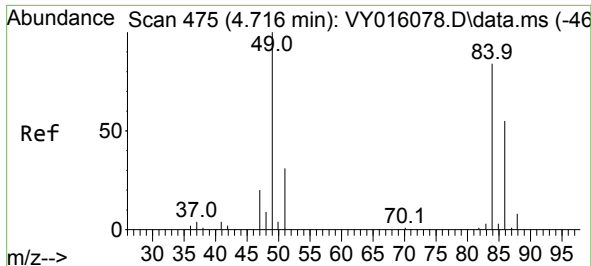
Tgt Ion: 76 Resp: 6723

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.4





#20

Methylene Chloride

Concen: 10.093 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.006 min

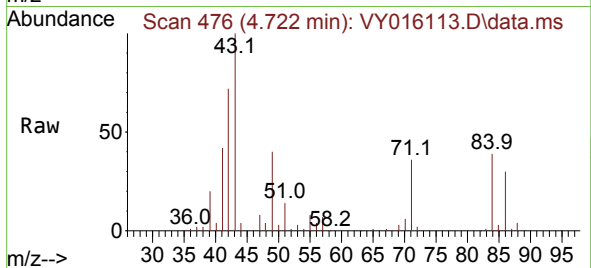
Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 25207

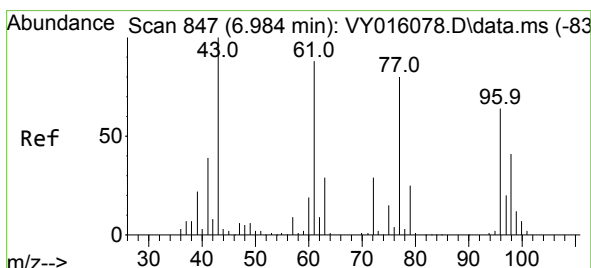
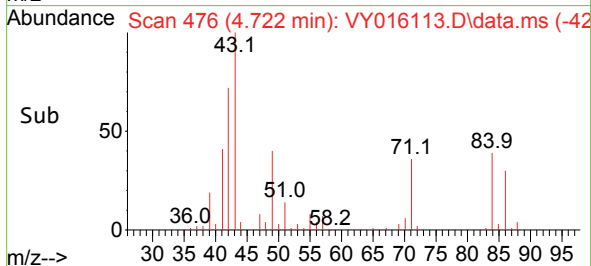
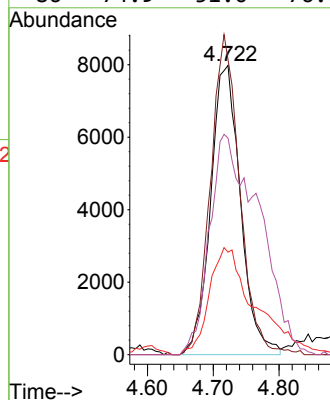
Ion Ratio Lower Upper

84 100

49 102.0 106.9 160.3#

51 35.4 33.2 49.8

86 74.9 51.0 76.6



#25

2-Butanone

Concen: 37.213 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY016113.D

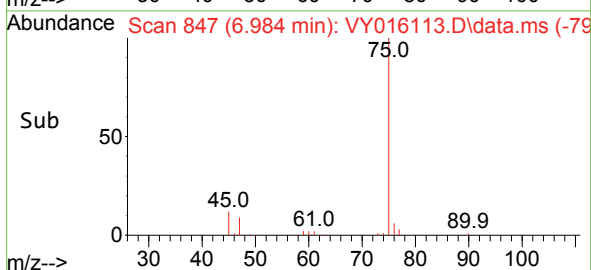
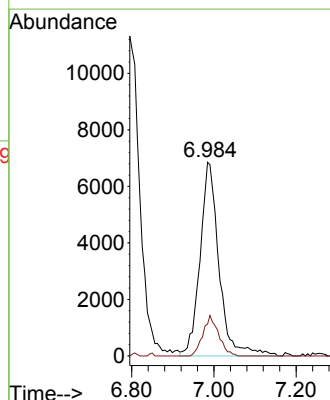
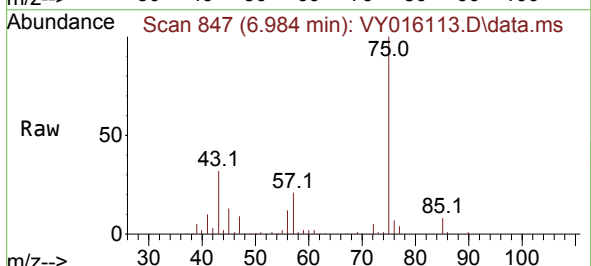
Acq: 27 Oct 2023 18:54

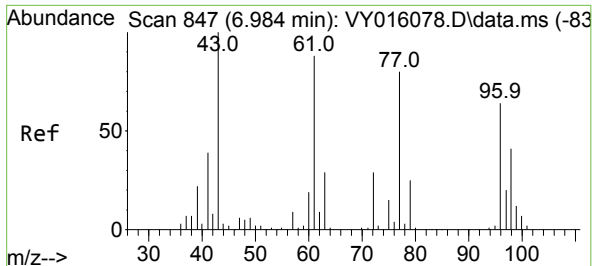
Tgt Ion: 43 Resp: 22047

Ion Ratio Lower Upper

43 100

72 16.5 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.013 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

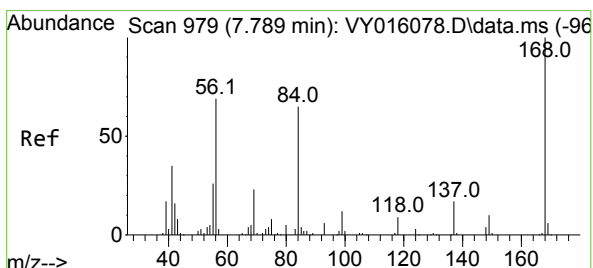
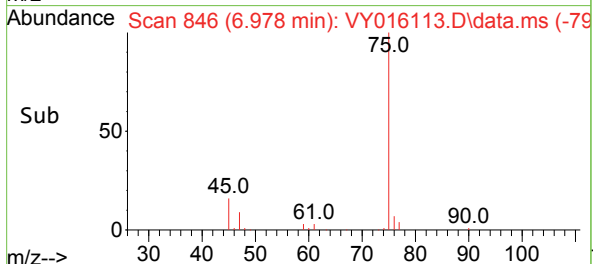
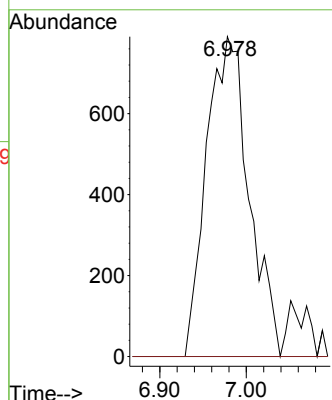
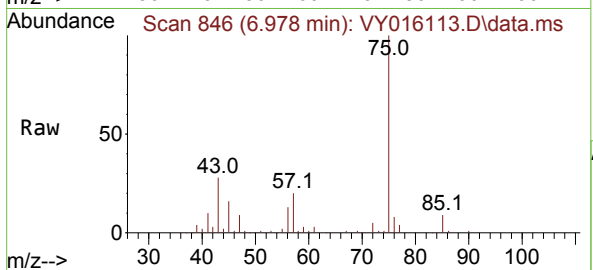
ClientSampleId :

Tgt Ion: 77 Resp: 2700

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 225.171 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

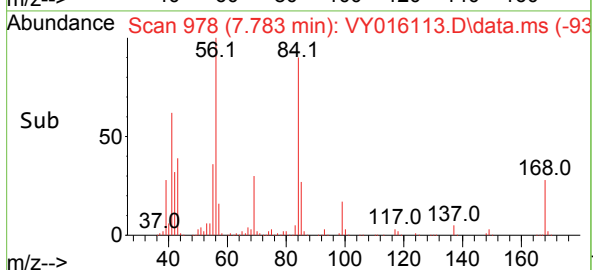
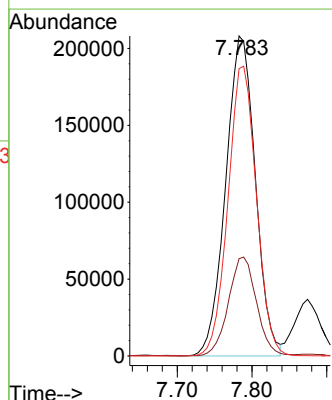
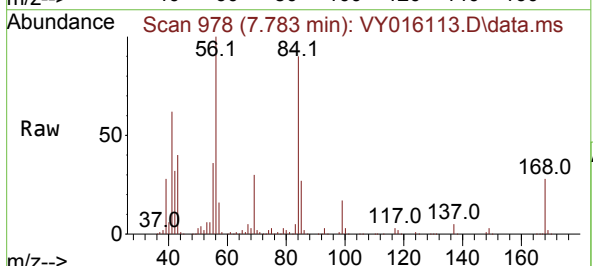
Tgt Ion: 56 Resp: 573704

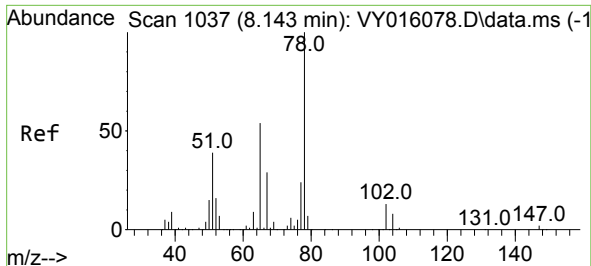
Ion Ratio Lower Upper

56 100

69 30.3 27.8 41.6

84 89.8 66.4 99.6

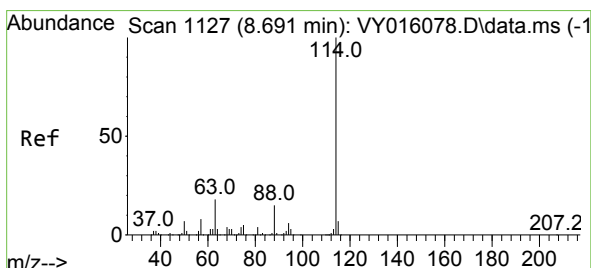
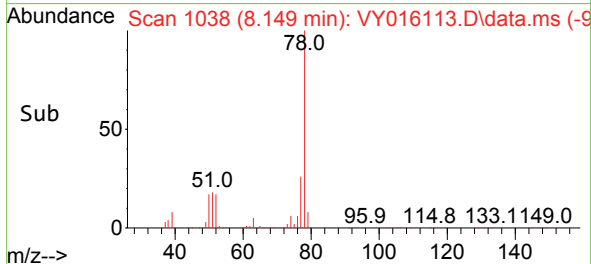
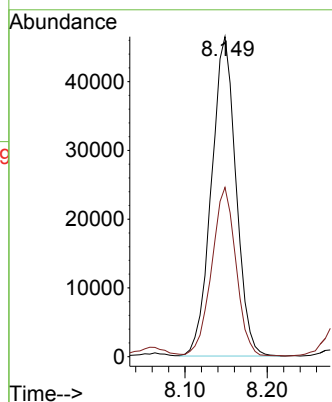
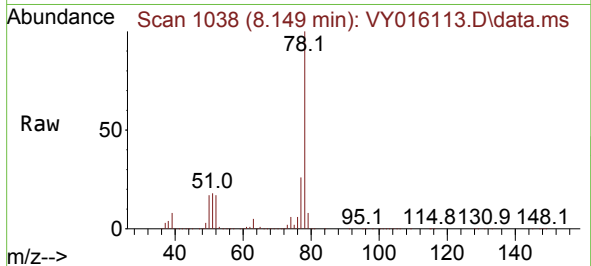




#33
 1,2-Dichloroethane-d4
 Concen: 59.556 ug/l
 RT: 8.149 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY016113.D
 Acq: 27 Oct 2023 18:54

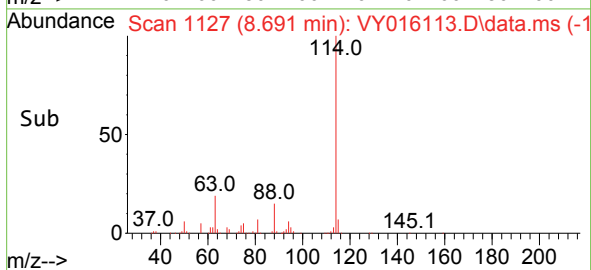
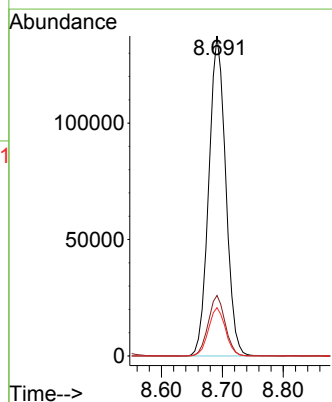
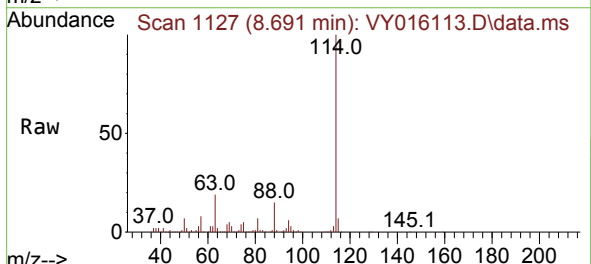
Instrument :
 MSVOA_Y
 ClientSampleId :

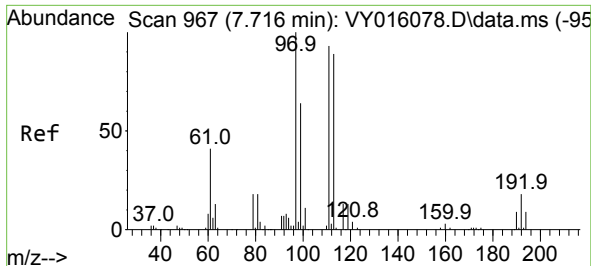
Tgt Ion: 65 Resp: 96452
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY016113.D
 Acq: 27 Oct 2023 18:54

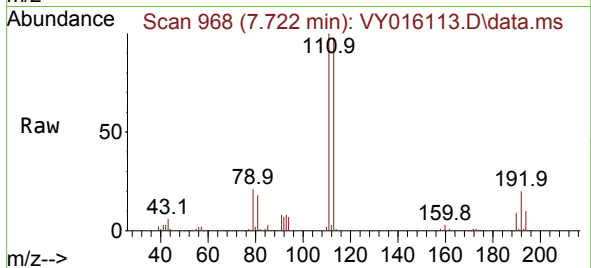
Tgt Ion: 114 Resp: 264883
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 15.1 0.0 30.6



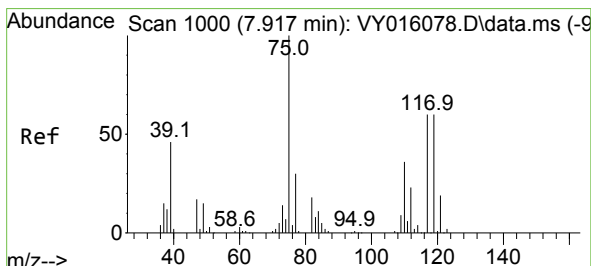
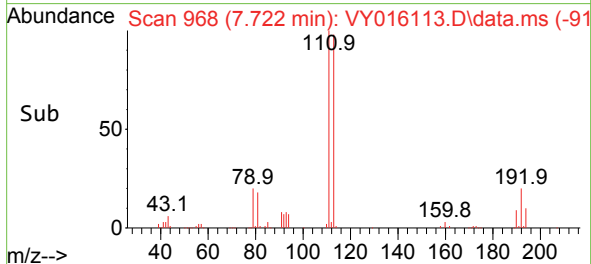
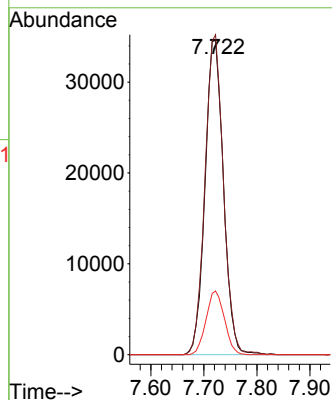


#35
Dibromofluoromethane
Concen: 49.975 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

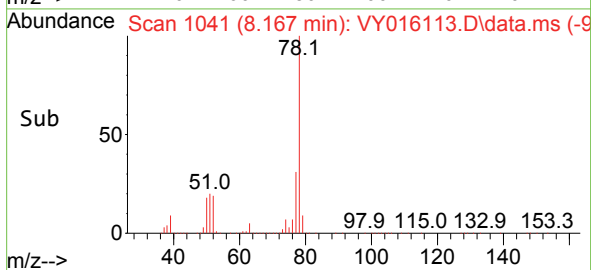
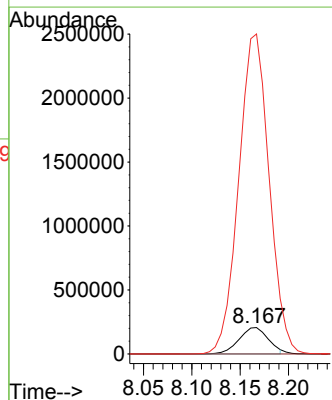
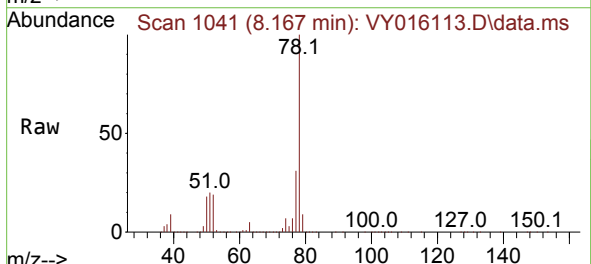


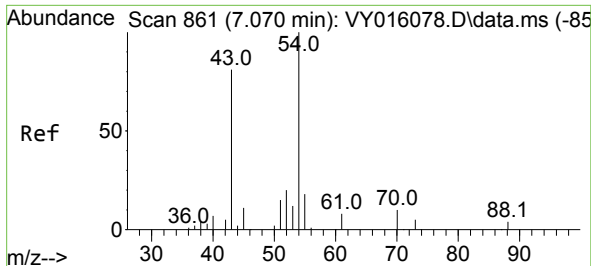
Tgt Ion:113 Resp: 83568
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 185.791 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.250 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

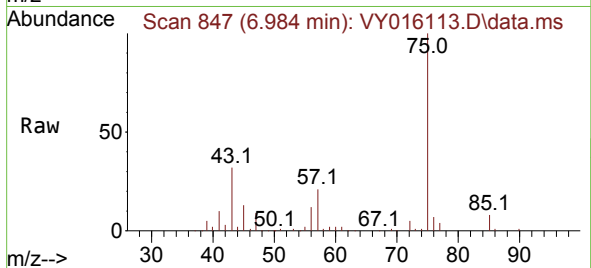
Tgt Ion: 75 Resp: 433064
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 1238.8 24.4 36.6#



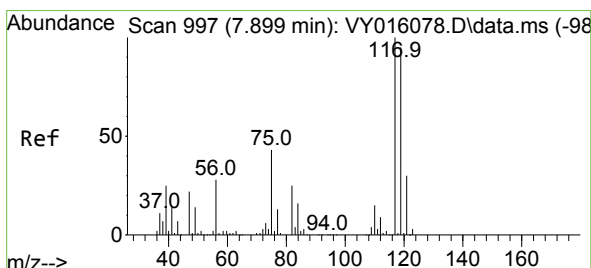
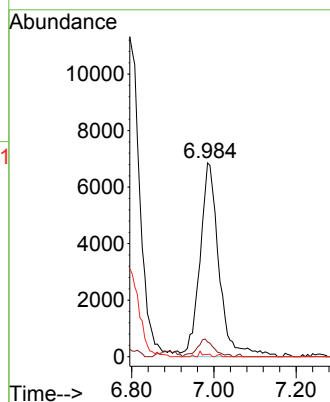
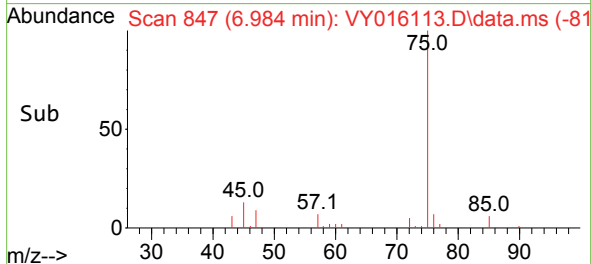


#37
Ethyl Acetate
Concen: 18.453 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :

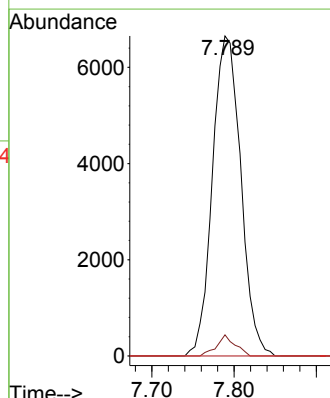
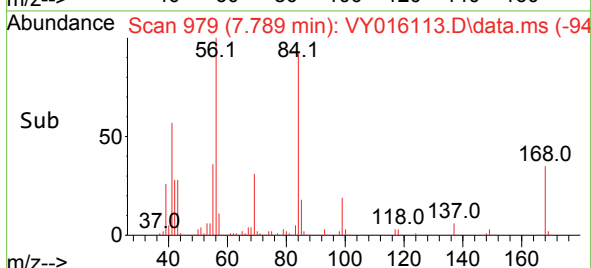
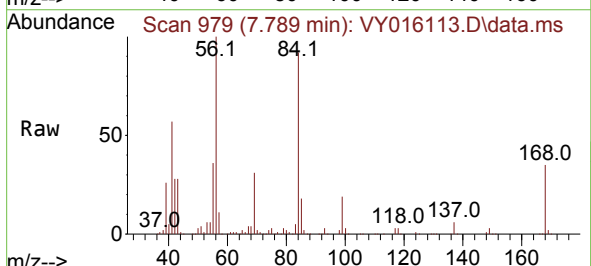


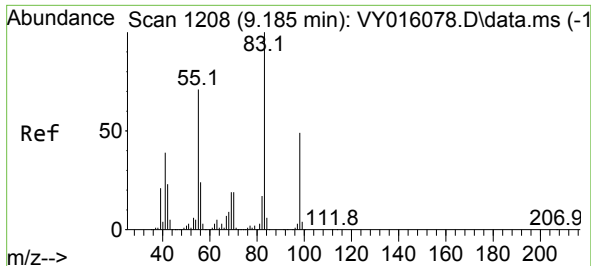
Tgt Ion: 43 Resp: 22047
Ion Ratio Lower Upper
43 100
61 8.0 10.1 15.1#
70 0.9 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.453 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

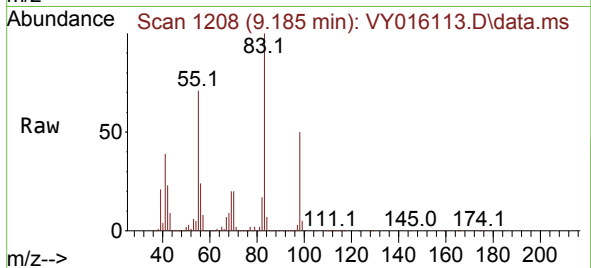
Tgt Ion: 117 Resp: 15906
Ion Ratio Lower Upper
117 100
119 6.6 76.4 114.6#
121 0.0 25.8 38.6#





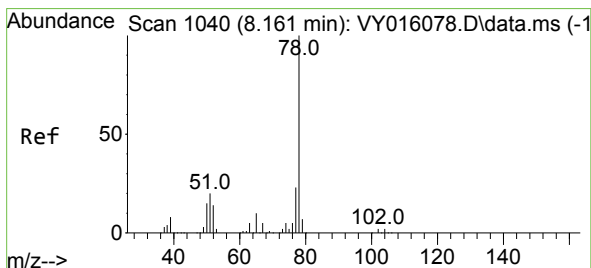
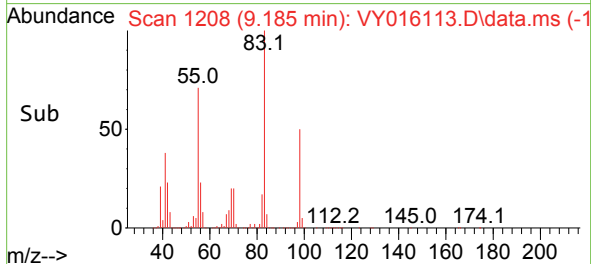
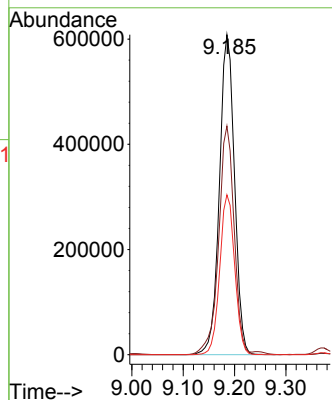
#39
Methylcyclohexane
Concen: 437.013 ug/l
RT: 9.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 83 Resp: 1240956

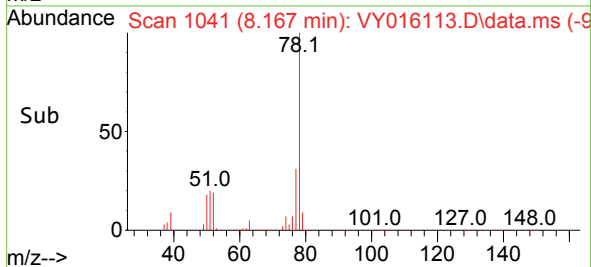
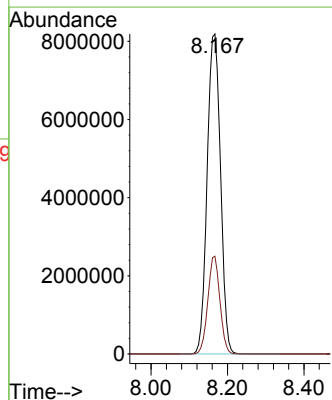
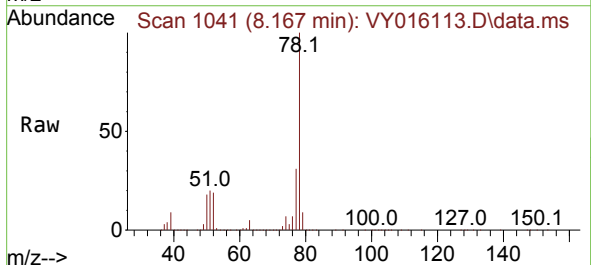
Ion	Ratio	Lower	Upper
83	100		
55	71.4	63.0	94.4
98	49.9	37.4	56.2

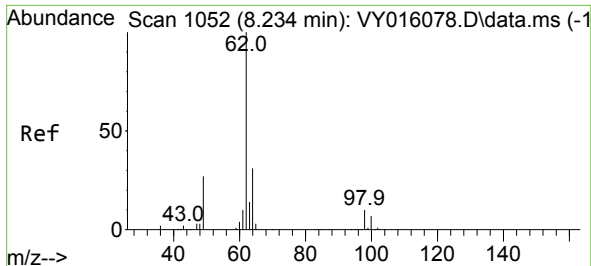


#40
Benzene
Concen: 3004.610 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion: 78 Resp:19828436

Ion	Ratio	Lower	Upper
78	100		
77	30.5	19.0	28.6#





#42

1,2-Dichloroethane

Concen: 101.250 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.067 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

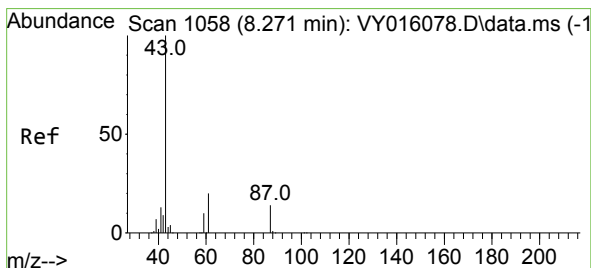
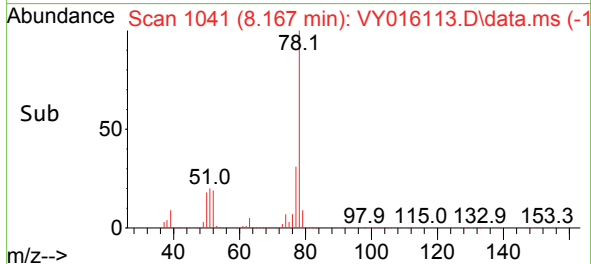
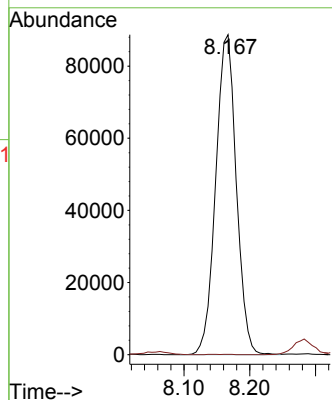
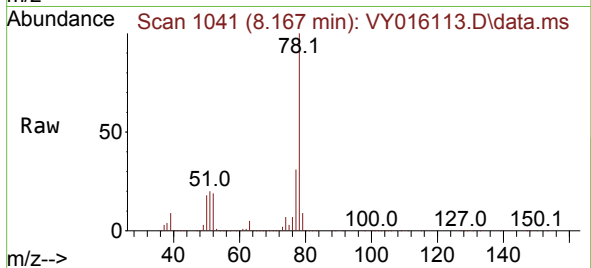
ClientSampleId :

Tgt Ion: 62 Resp: 193072

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 15.052 ug/l

RT: 8.271 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

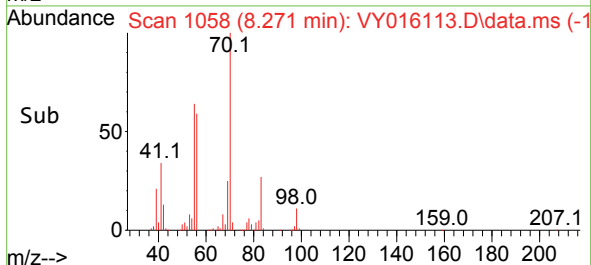
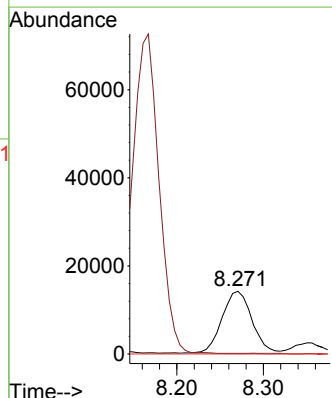
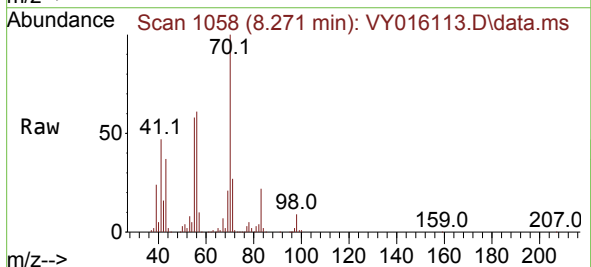
Tgt Ion: 43 Resp: 33623

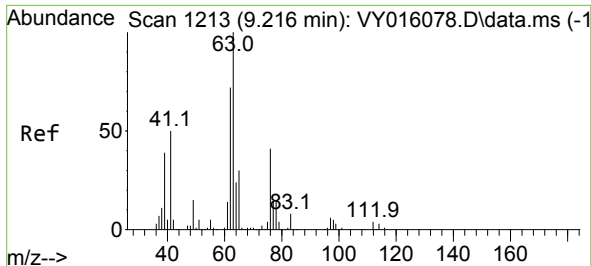
Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

87 0.0 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 6.716 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

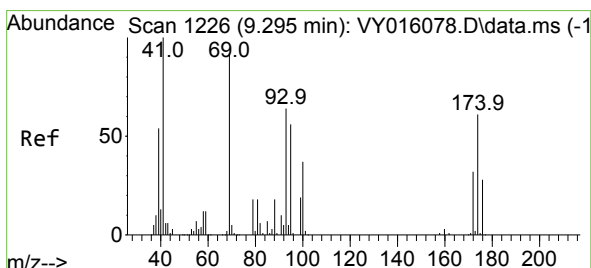
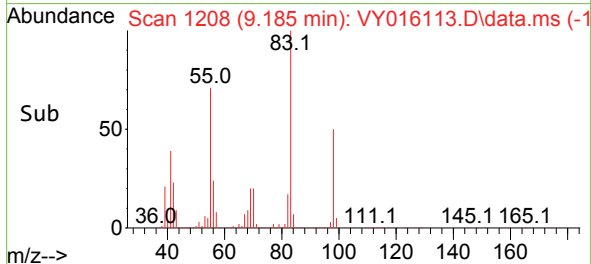
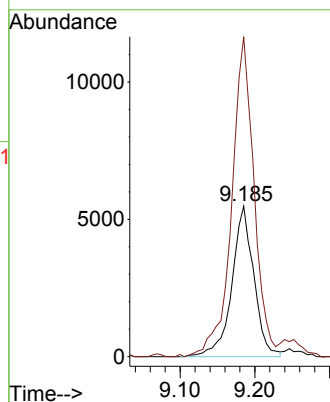
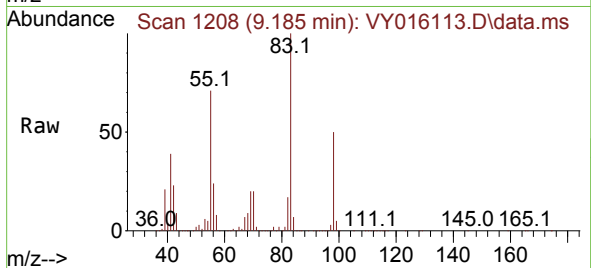
ClientSampleId :

Tgt Ion: 63 Resp: 11218

Ion Ratio Lower Upper

63 100

65 211.0 23.8 35.6#



#48

Methyl methacrylate

Concen: 29.167 ug/l

RT: 9.246 min Scan# 1218

Delta R.T. -0.049 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

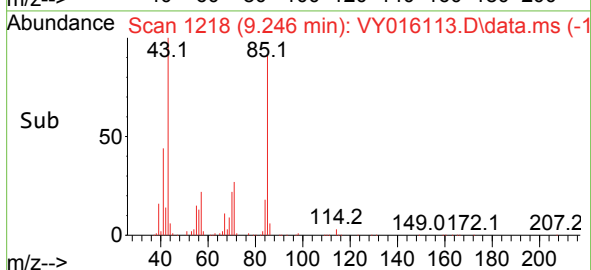
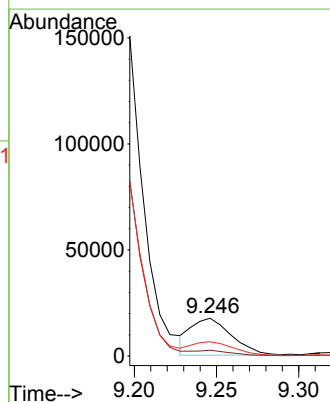
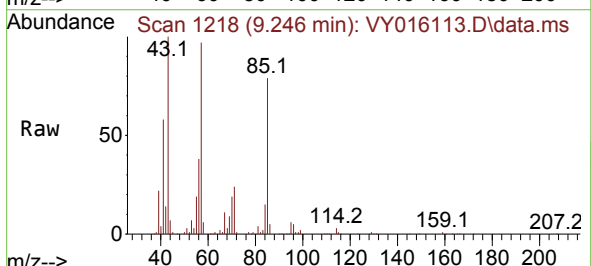
Tgt Ion: 41 Resp: 30017

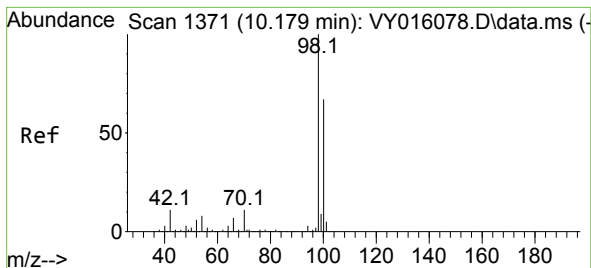
Ion Ratio Lower Upper

41 100

69 0.0 64.5 96.7#

39 39.0 50.8 76.2#





#50

Toluene-d8

Concen: 56.247 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

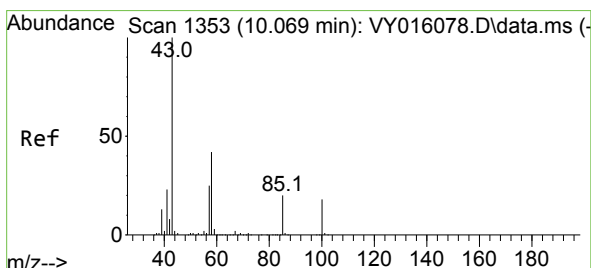
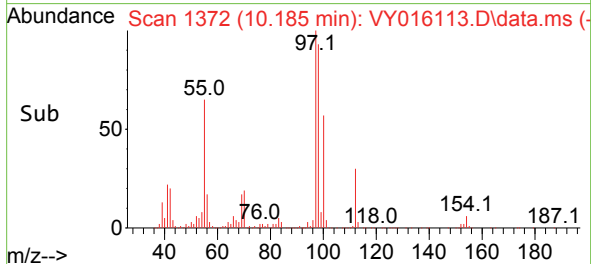
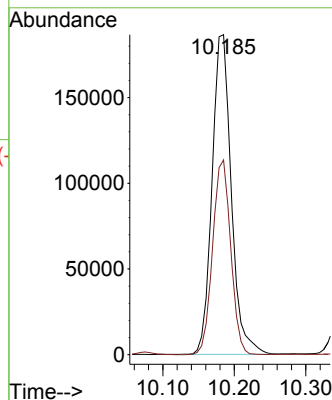
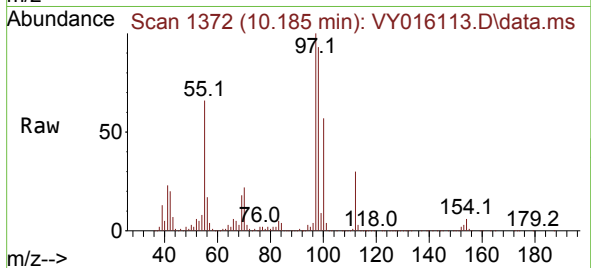
ClientSampleId :

Tgt Ion: 98 Resp: 348397

Ion Ratio Lower Upper

98 100

100 57.3 50.1 75.1



#51

4-Methyl-2-Pentanone

Concen: 12.012 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. 0.006 min

Lab File: VY016113.D

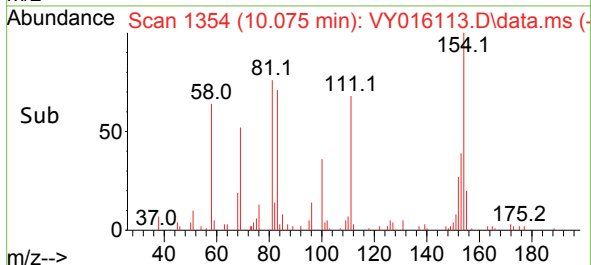
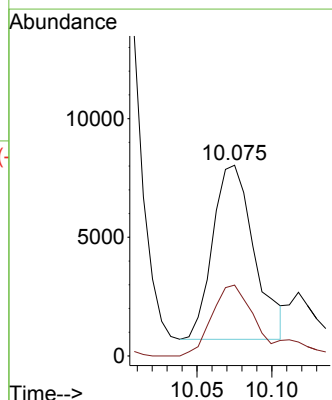
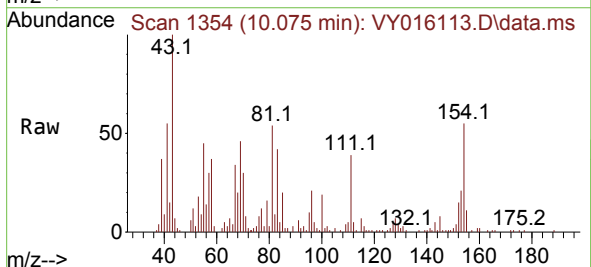
Acq: 27 Oct 2023 18:54

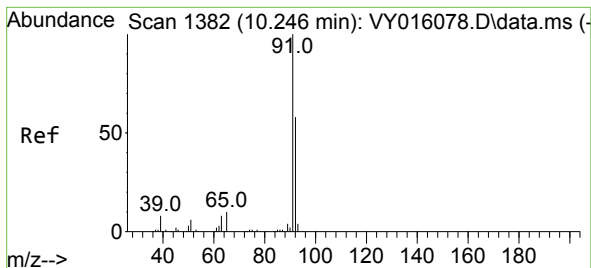
Tgt Ion: 43 Resp: 14159

Ion Ratio Lower Upper

43 100

58 47.2 29.0 43.6#





#52

Toluene

Concen: 3257.850 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

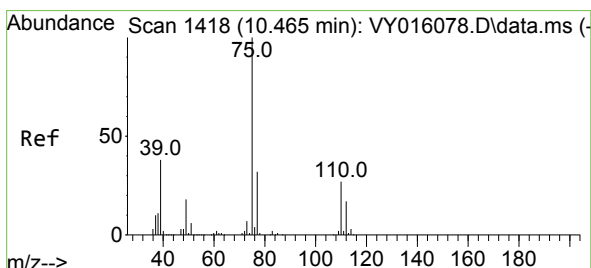
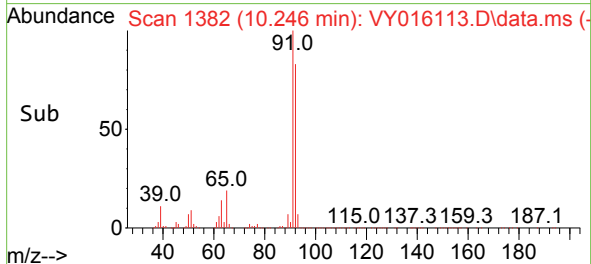
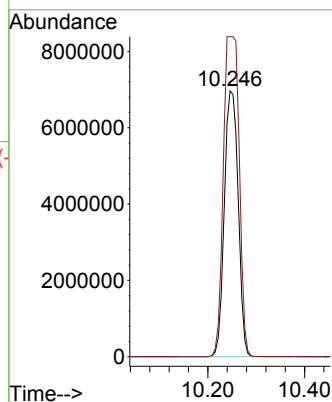
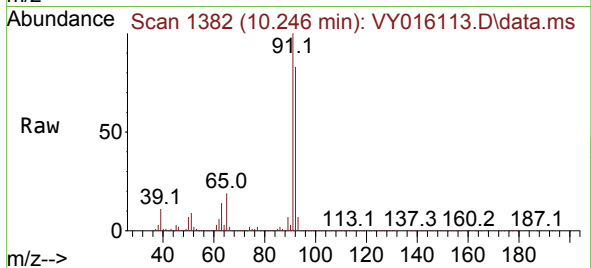
ClientSampleId :

Tgt Ion: 92 Resp:13805870

Ion Ratio Lower Upper

92 100

91 138.7 143.8 215.6#



#53

t-1,3-Dichloropropene

Concen: 77.372 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.220 min

Lab File: VY016113.D

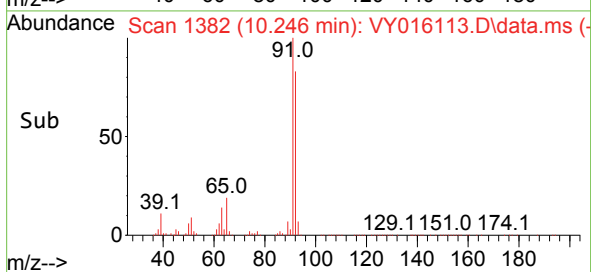
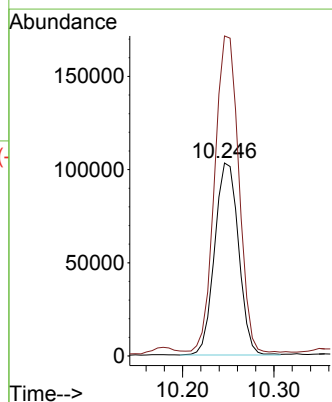
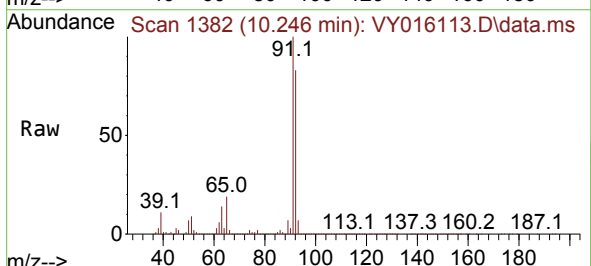
Acq: 27 Oct 2023 18:54

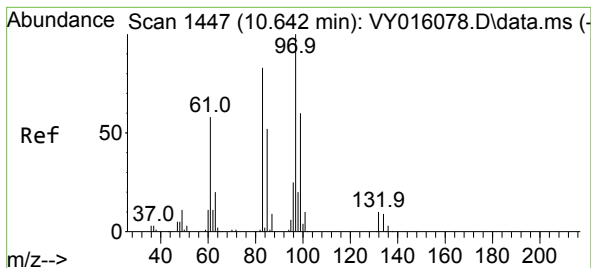
Tgt Ion: 75 Resp: 187395

Ion Ratio Lower Upper

75 100

77 164.8 25.0 37.4#





#55

1,1,2-Trichloroethane

Concen: 82.608 ug/l

RT: 10.624 min Scan# 1447

Delta R.T. -0.018 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 97 Resp: 114946

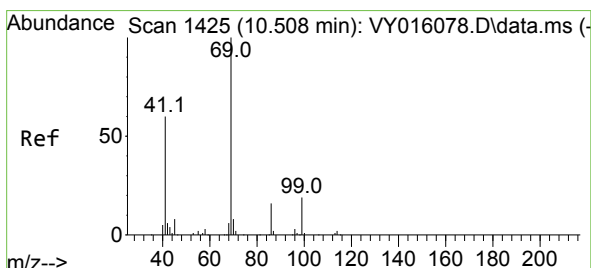
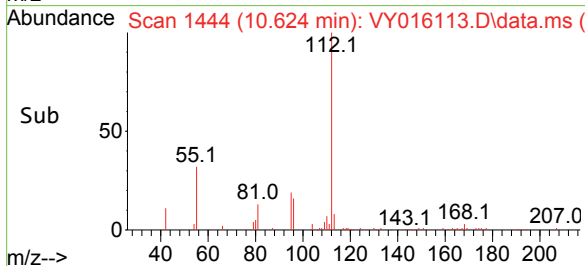
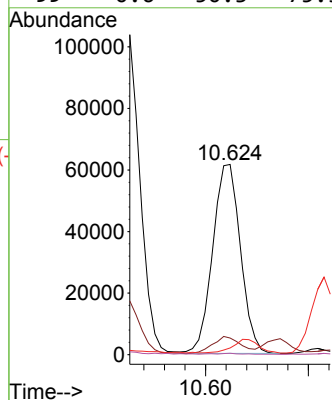
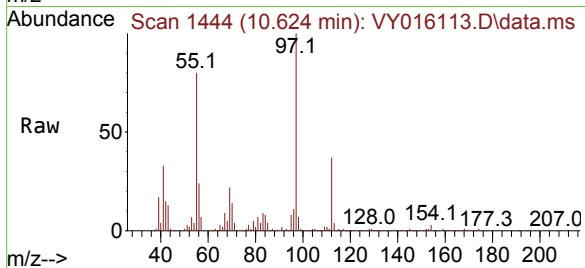
Ion Ratio Lower Upper

97 100

83 8.0 72.0 108.0#

85 2.7 45.4 68.0#

99 0.6 50.3 75.5#



#56

Ethyl methacrylate

Concen: 36.789 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.018 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

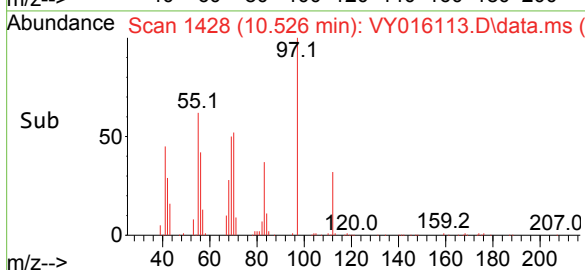
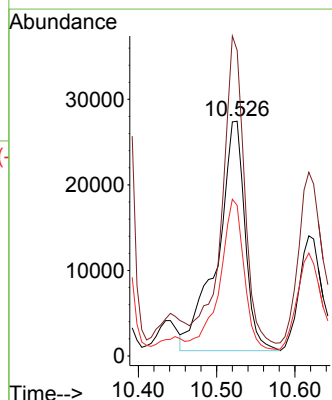
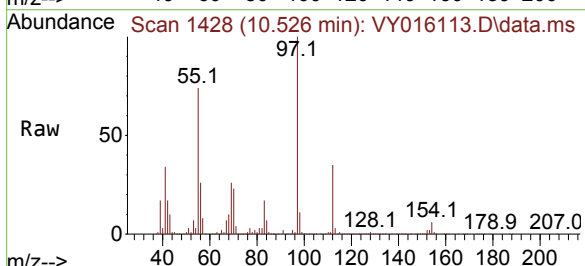
Tgt Ion: 69 Resp: 65788

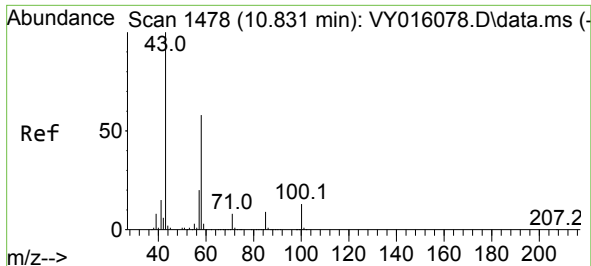
Ion Ratio Lower Upper

69 100

41 106.8 57.6 86.4#

39 0.0 34.1 51.1#

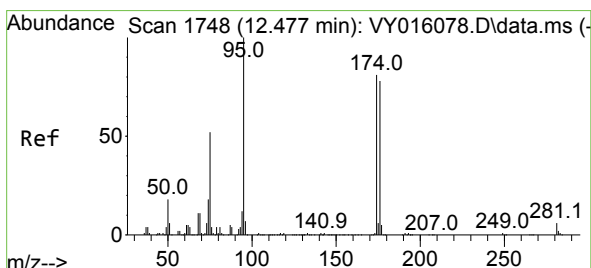
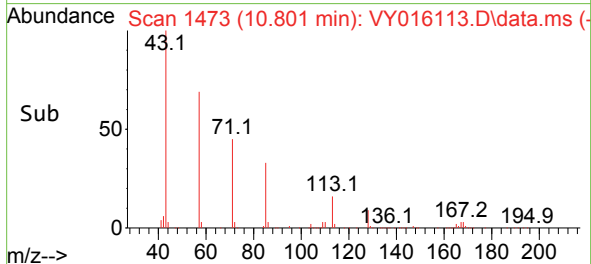
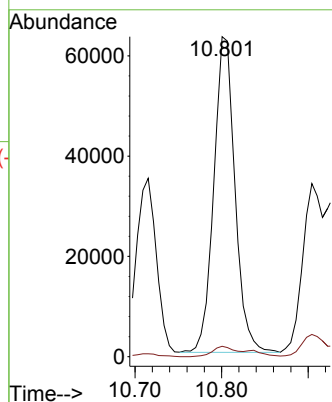
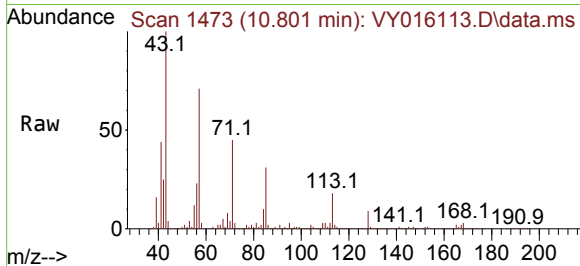




#59
2-Hexanone
Concen: 123.372 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

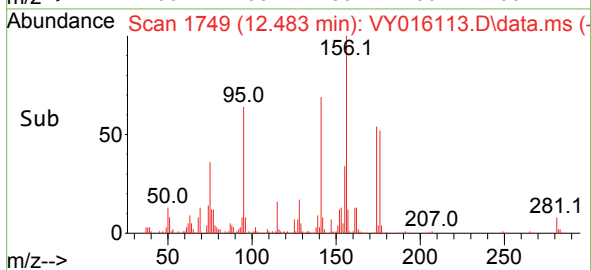
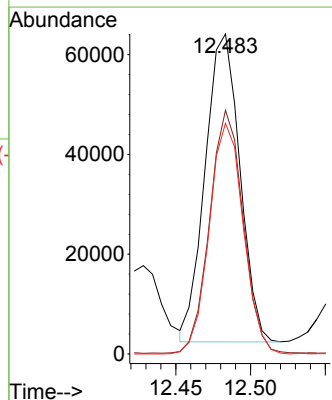
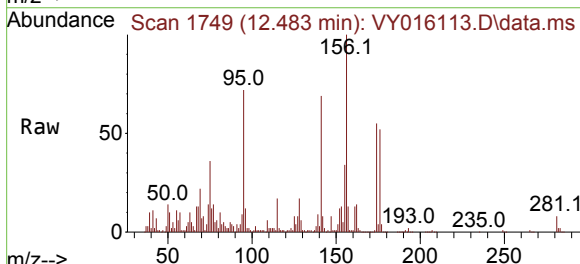
Instrument :
MSVOA_Y
ClientSampleId :

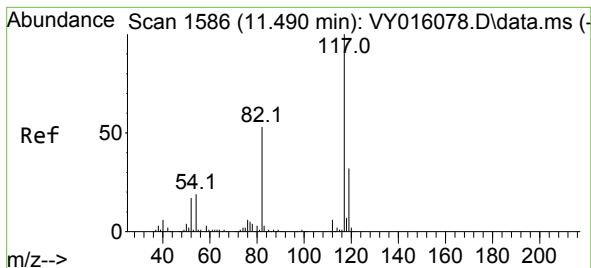
Tgt Ion: 43 Resp: 107122
Ion Ratio Lower Upper
43 100
58 3.7 25.1 75.3#



#62
4-Bromofluorobenzene
Concen: 46.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion: 95 Resp: 99515
Ion Ratio Lower Upper
95 100
174 76.0 0.0 178.2
176 73.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

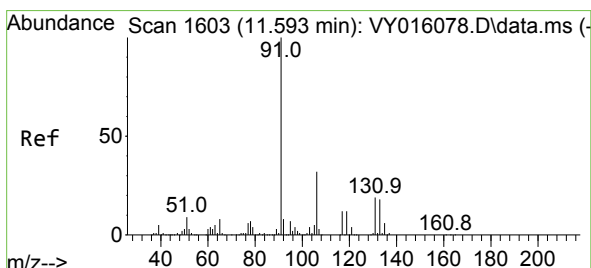
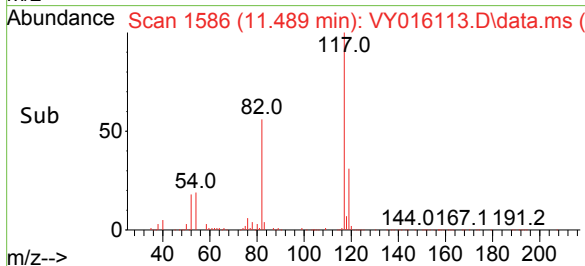
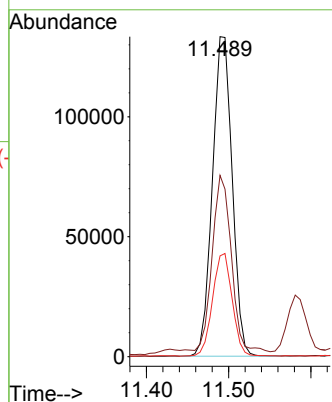
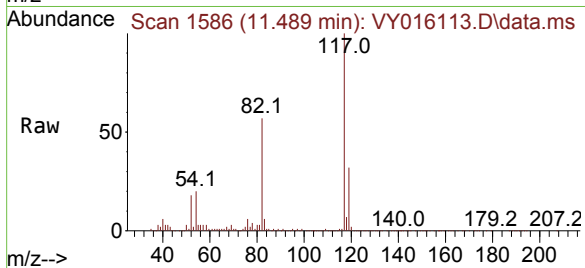
Tgt Ion:117 Resp: 222814

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 31.4 26.3 39.5



#67

Ethyl Benzene

Concen: 414.928 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY016113.D

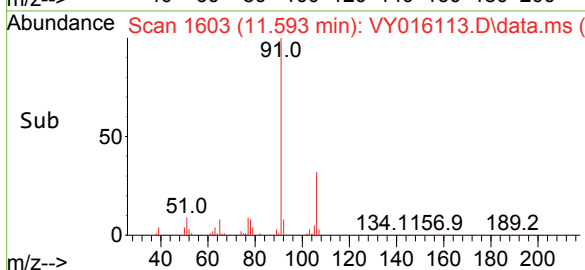
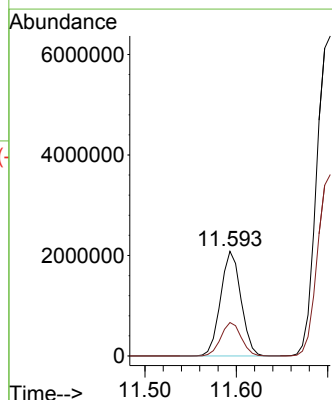
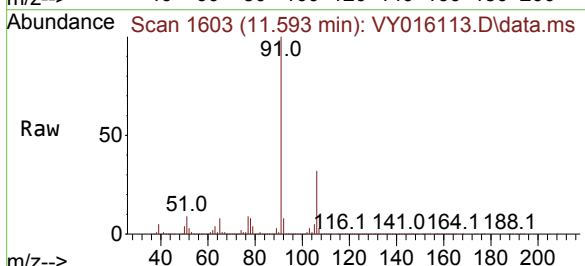
Acq: 27 Oct 2023 18:54

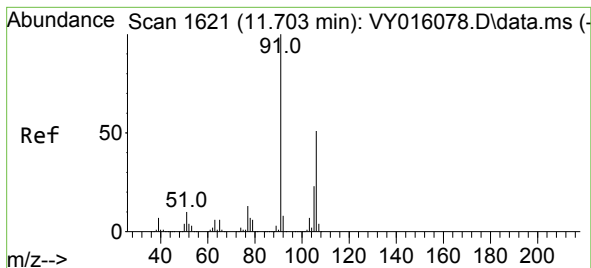
Tgt Ion: 91 Resp: 3227047

Ion Ratio Lower Upper

91 100

106 31.9 24.6 36.8

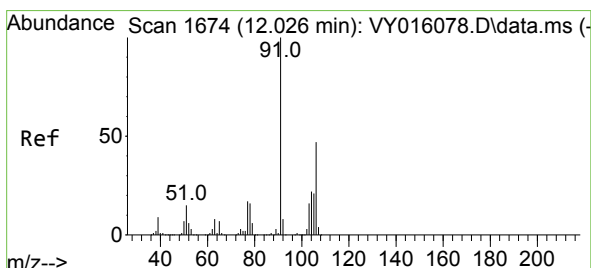
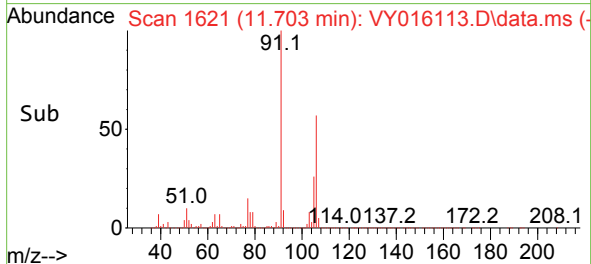
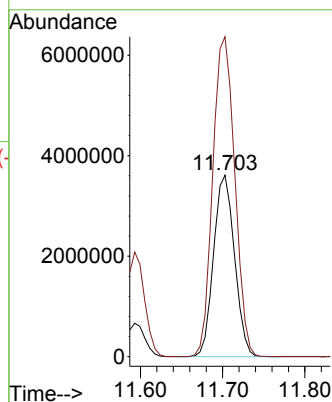
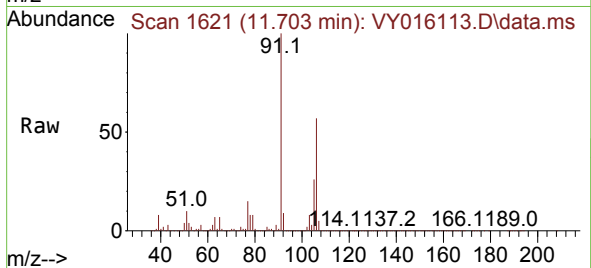




#68
m/p-Xylenes
Concen: 2121.829 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

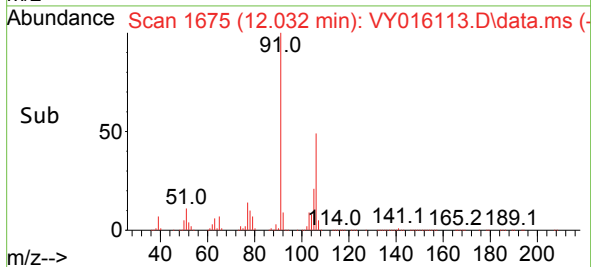
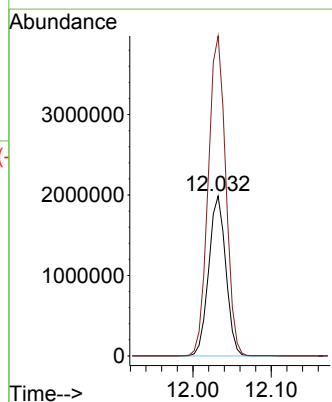
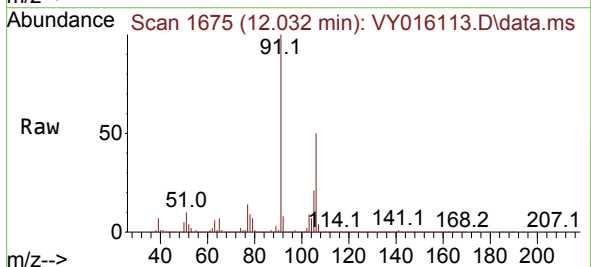
Instrument :
MSVOA_Y
ClientSampleId :

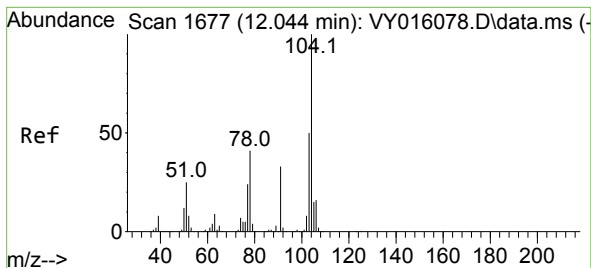
Tgt Ion:106 Resp: 6386218
Ion Ratio Lower Upper
106 100
91 185.4 166.1 249.1



#69
o-Xylene
Concen: 1042.916 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion:106 Resp: 3005068
Ion Ratio Lower Upper
106 100
91 205.0 108.1 324.3





#70

Styrene

Concen: 155.773 ug/l

RT: 12.044 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

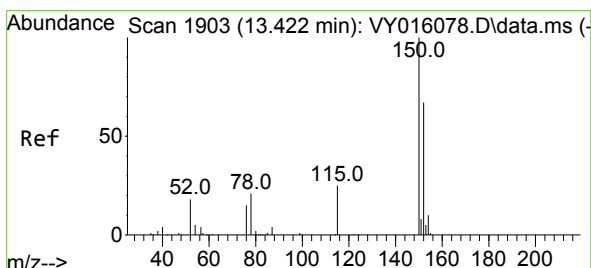
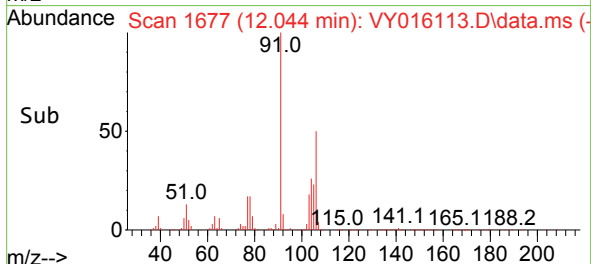
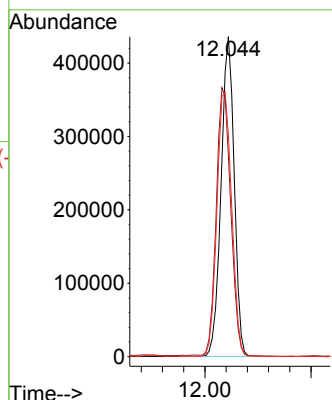
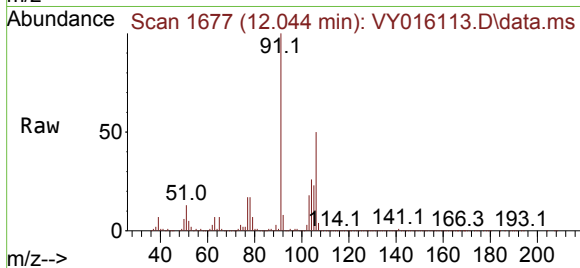
Tgt Ion:104 Resp: 748189

Ion Ratio Lower Upper

104 100

78 92.9 41.5 62.3#

103 93.3 44.6 67.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

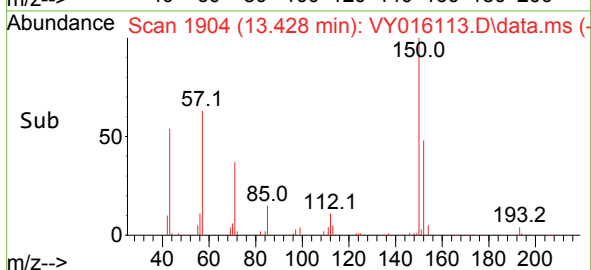
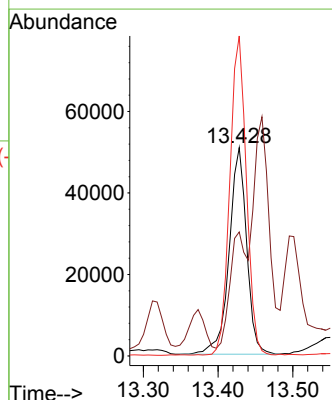
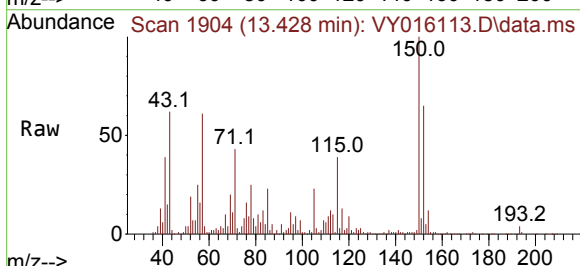
Tgt Ion:152 Resp: 82461

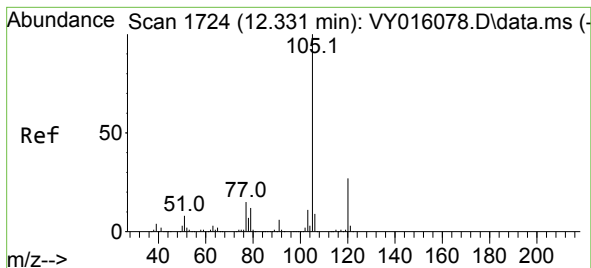
Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 146.1 0.0 348.8





#73

Isopropylbenzene

Concen: 53.234 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

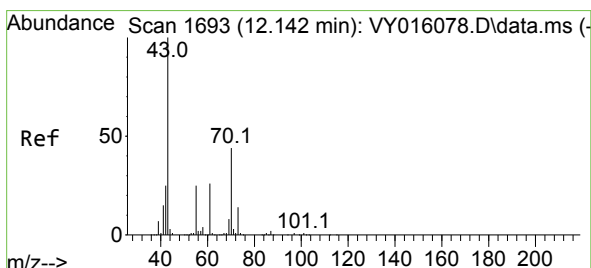
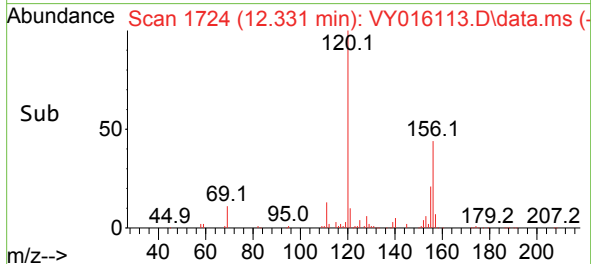
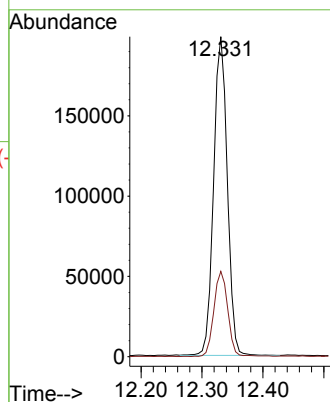
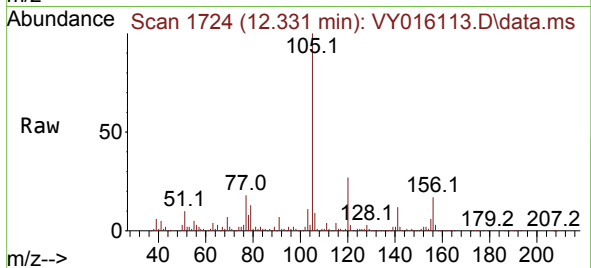
ClientSampleId :

Tgt Ion:105 Resp: 308933

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 38.342 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Tgt Ion: 43 Resp: 54256

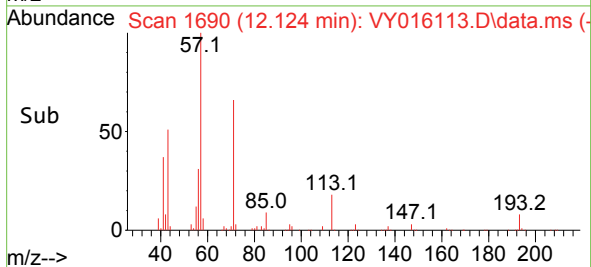
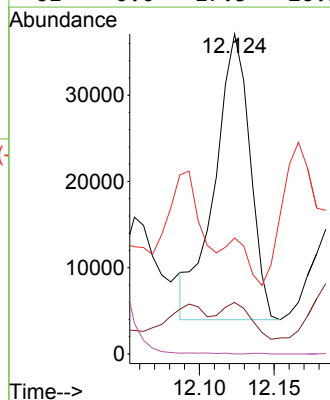
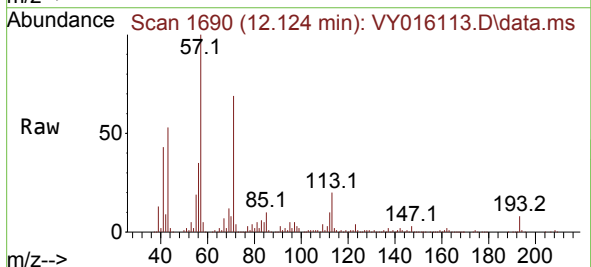
Ion Ratio Lower Upper

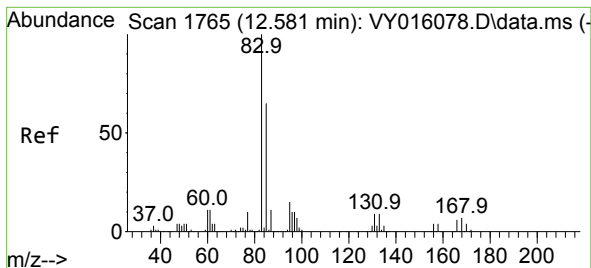
43 100

70 9.8 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.725 ug/l

RT: 12.556 min Scan# 1761

Delta R.T. -0.024 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

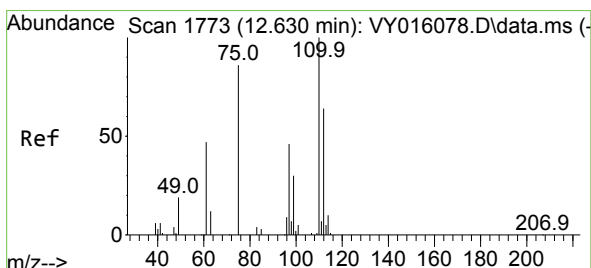
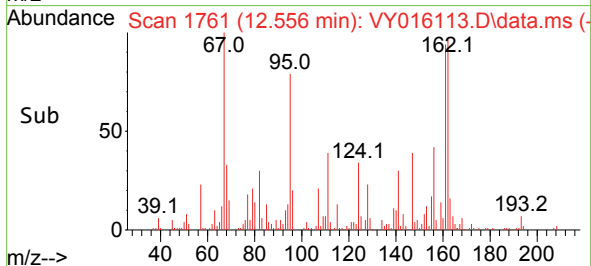
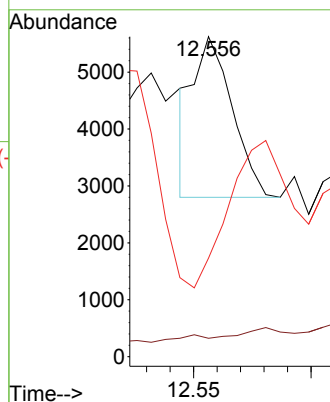
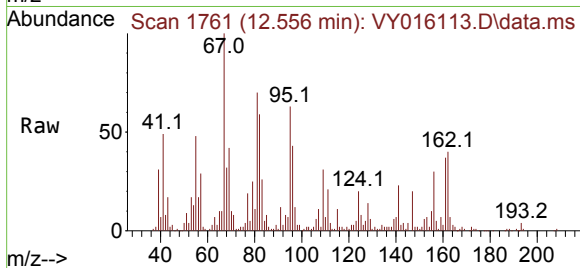
Tgt Ion: 83 Resp: 3233

Ion Ratio Lower Upper

83 100

131 3.6 5.4 16.2#

85 0.0 31.8 95.4#



#76

1,2,3-Trichloropropane

Concen: 4.073 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.043 min

Lab File: VY016113.D

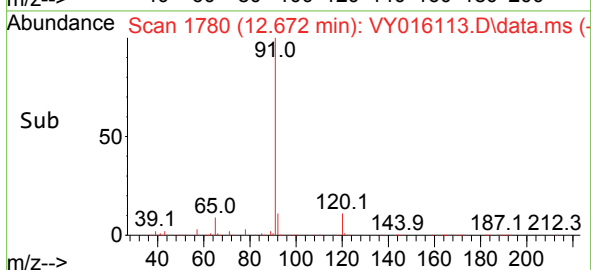
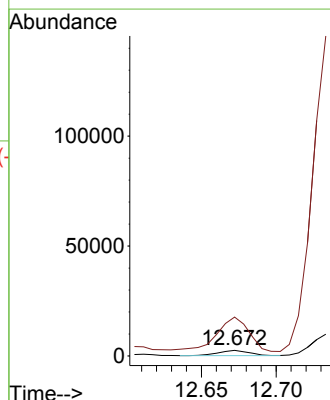
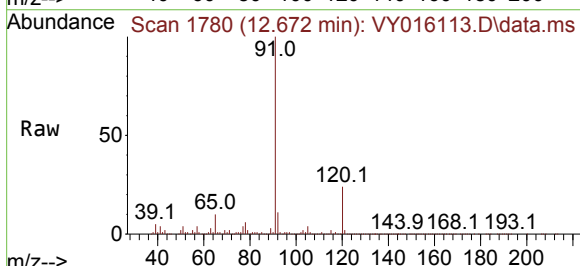
Acq: 27 Oct 2023 18:54

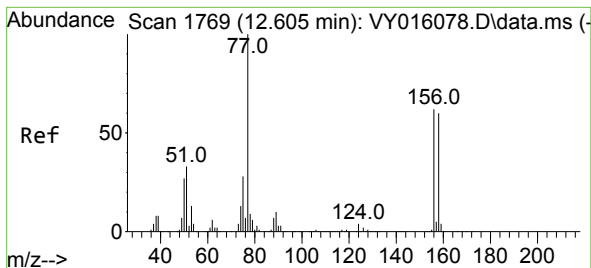
Tgt Ion: 75 Resp: 3429

Ion Ratio Lower Upper

75 100

77 678.9 0.0 0.0#





#77

Bromobenzene

Concen: 378.426 ug/l

RT: 12.404 min Scan# 1769

Delta R.T. -0.201 min

Lab File: VY016113.D

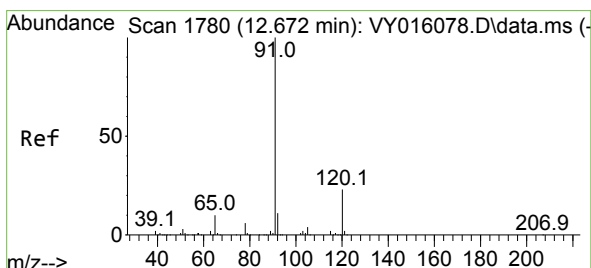
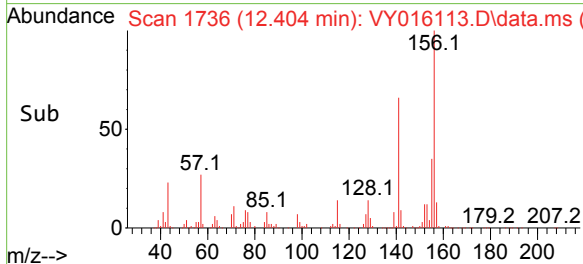
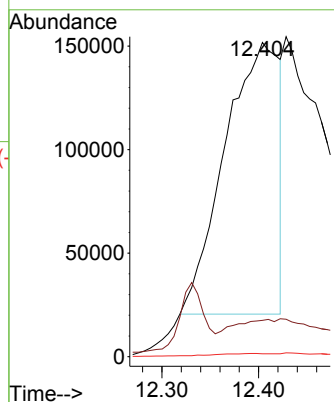
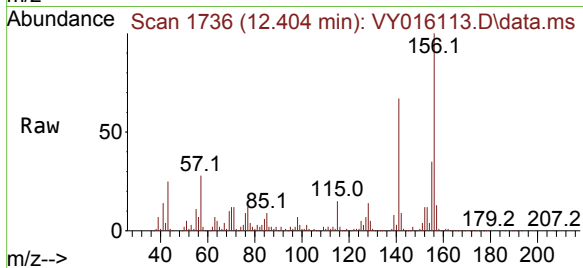
Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:156	Resp: 512539
Ion Ratio	Lower Upper
156	100
77	2.7 92.8 278.6#
158	0.8 48.4 145.3#



#78

n-propylbenzene

Concen: 82.555 ug/l

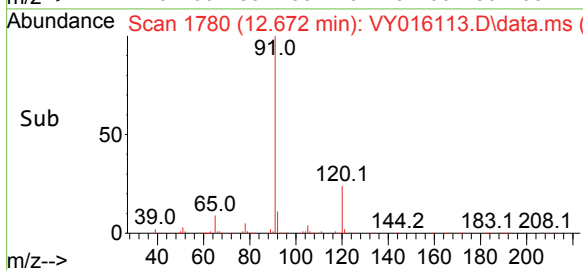
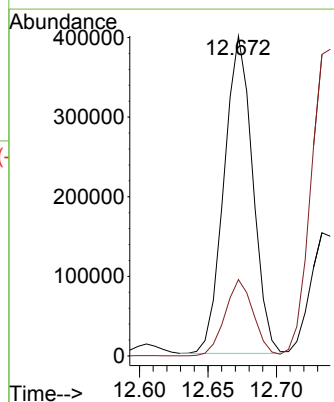
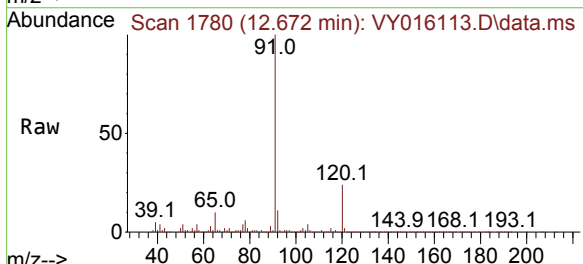
RT: 12.672 min Scan# 1780

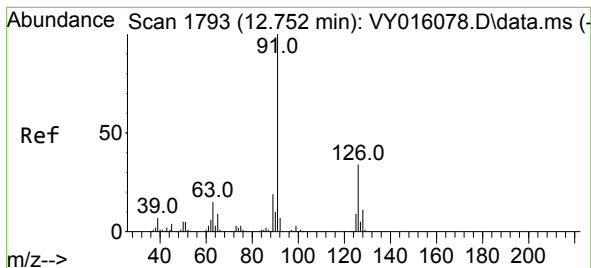
Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Tgt Ion: 91	Resp: 580088
Ion Ratio	Lower Upper
91	100
120	23.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 59.573 ug/l

RT: 12.733 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

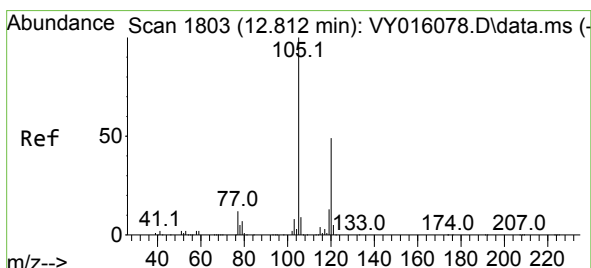
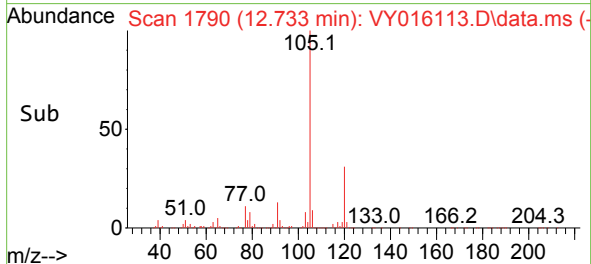
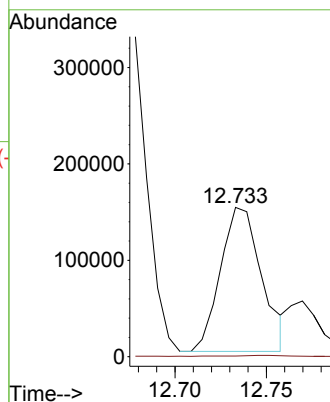
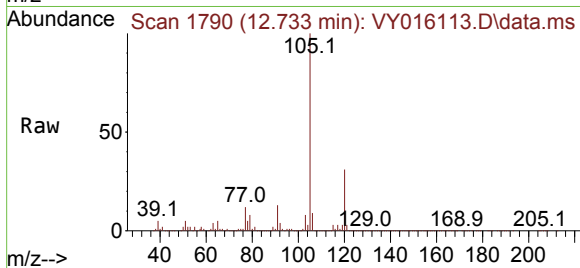
ClientSampleId :

Tgt Ion: 91 Resp: 234442

Ion Ratio Lower Upper

91 100

126 0.9 17.3 51.7#



#80

1,3,5-Trimethylbenzene

Concen: 406.469 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY016113.D

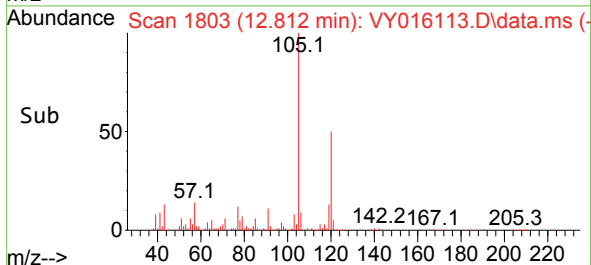
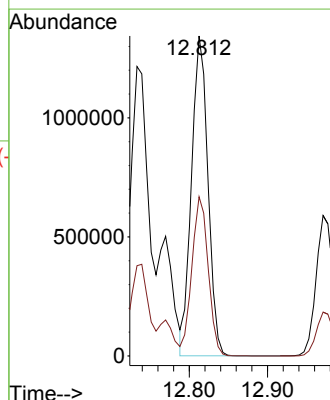
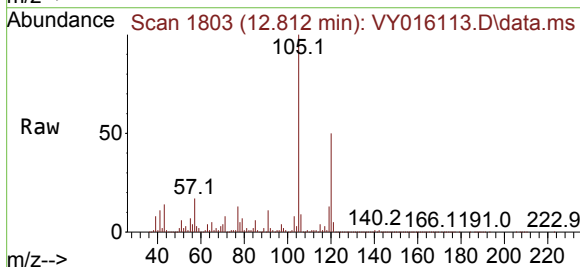
Acq: 27 Oct 2023 18:54

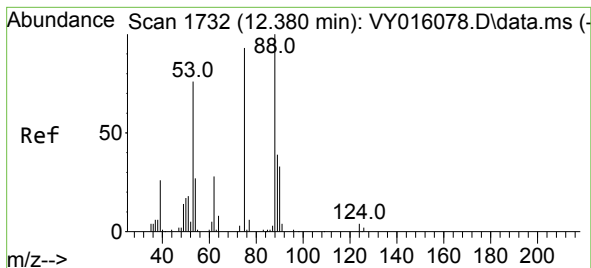
Tgt Ion:105 Resp: 1958452

Ion Ratio Lower Upper

105 100

120 49.6 23.9 71.7

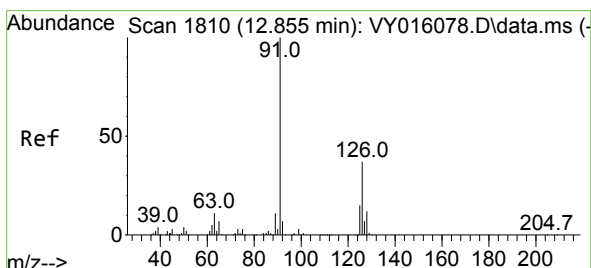
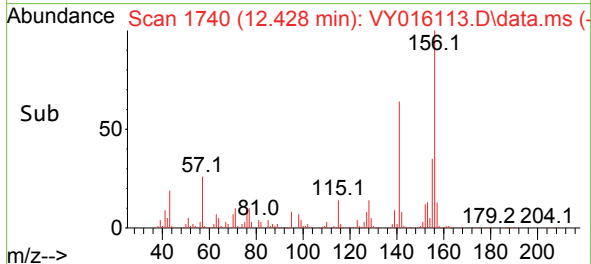
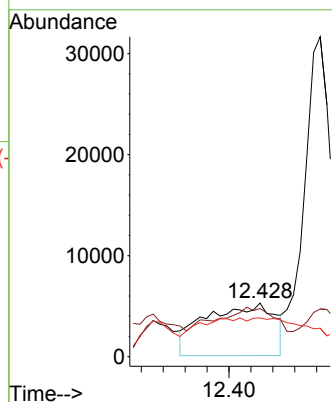
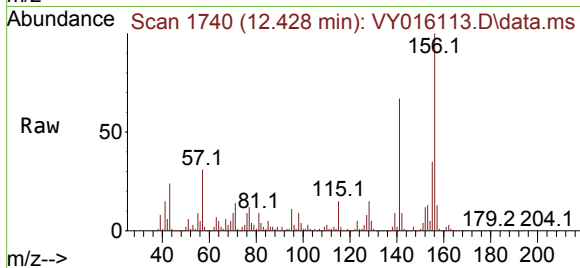




#81
trans-1,4-Dichloro-2-butene
Concen: 58.062 ug/l
RT: 12.428 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

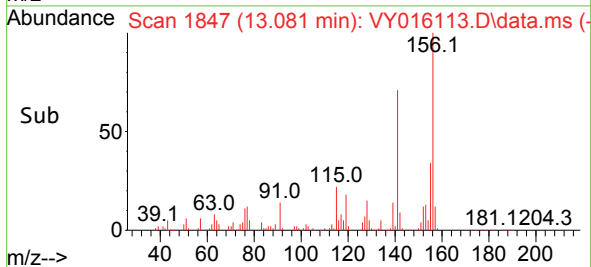
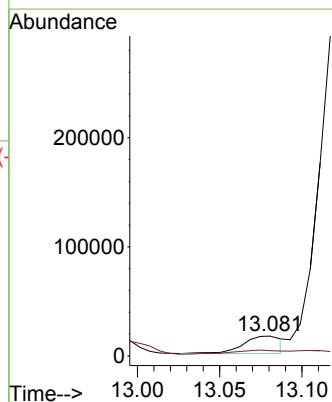
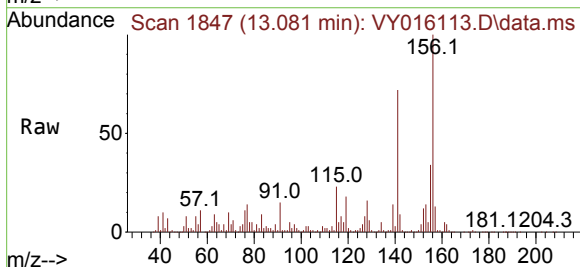
Instrument :
MSVOA_Y
ClientSampleId :

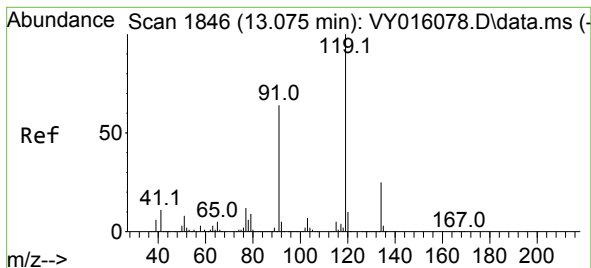
Tgt Ion: 75 Resp: 22494
Ion Ratio Lower Upper
75 100
53 34.2 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 6.435 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.226 min
Lab File: VY016113.D
Acq: 27 Oct 2023 18:54

Tgt Ion: 91 Resp: 26262
Ion Ratio Lower Upper
91 100
126 29.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 8.617 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

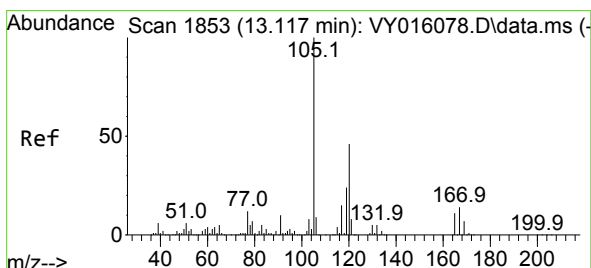
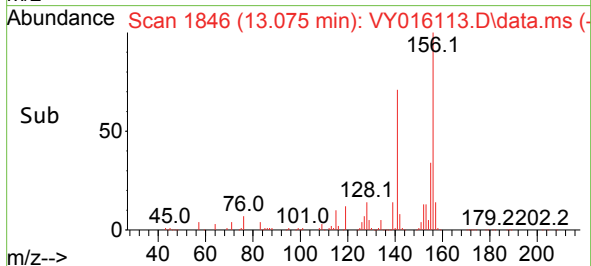
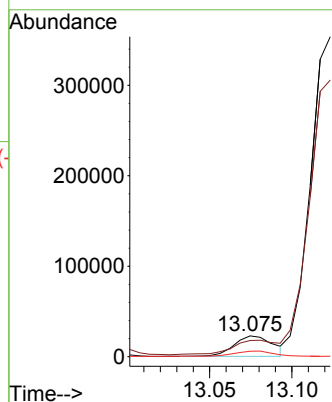
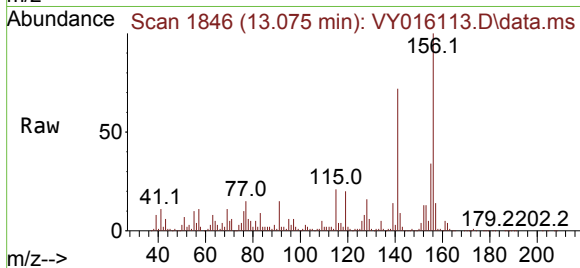
Tgt Ion:119 Resp: 36903

Ion Ratio Lower Upper

119 100

91 71.2 32.9 98.6

134 29.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 883.407 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY016113.D

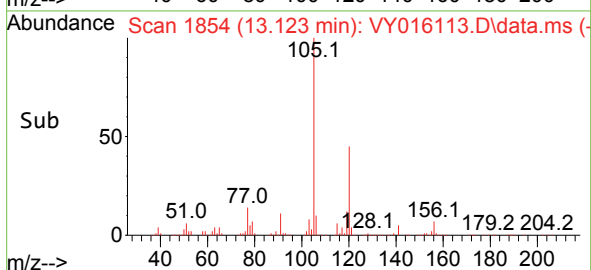
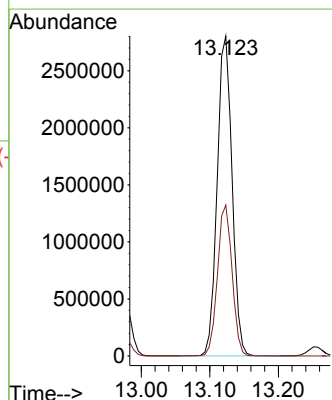
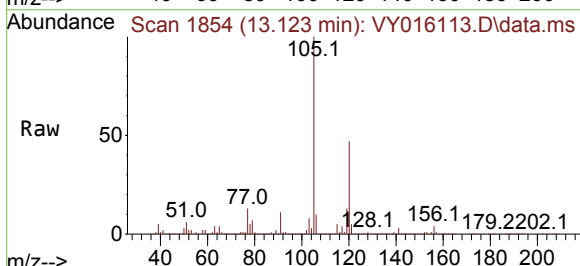
Acq: 27 Oct 2023 18:54

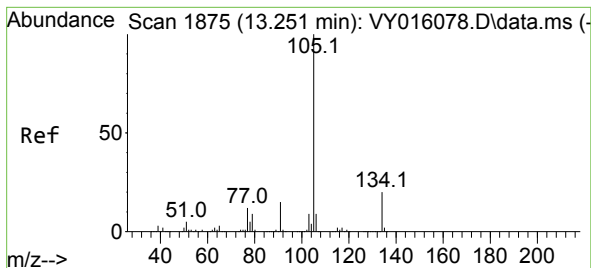
Tgt Ion:105 Resp: 4203782

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 658.820 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.128 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

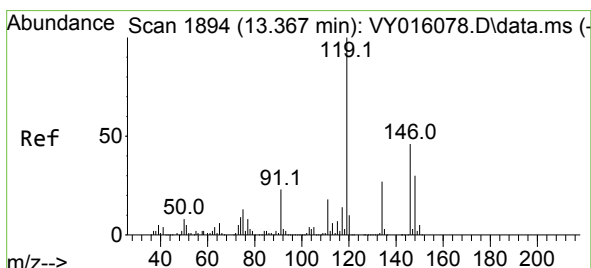
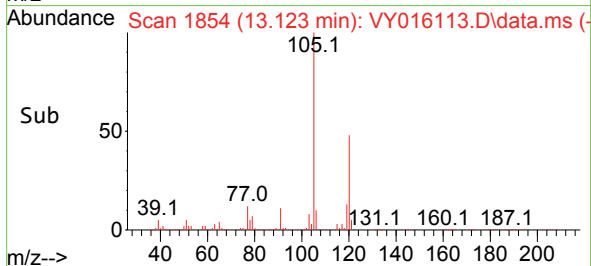
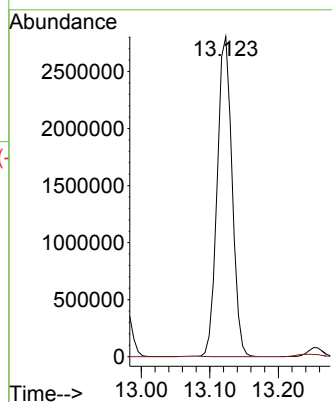
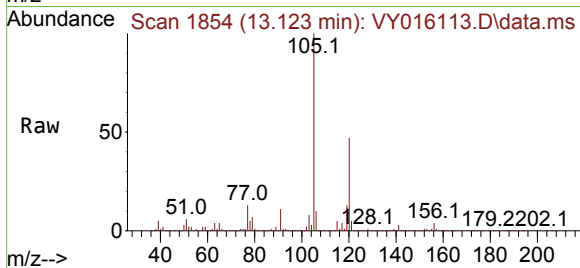
ClientSampleId :

Tgt Ion:105 Resp: 4202518

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 30.038 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

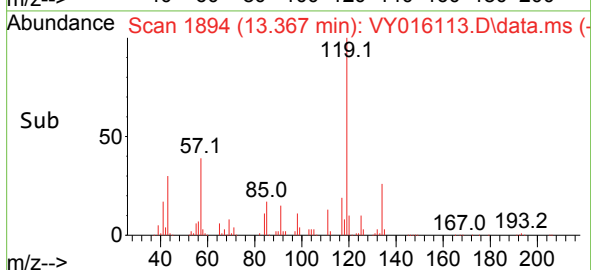
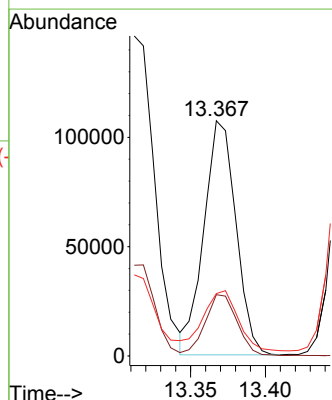
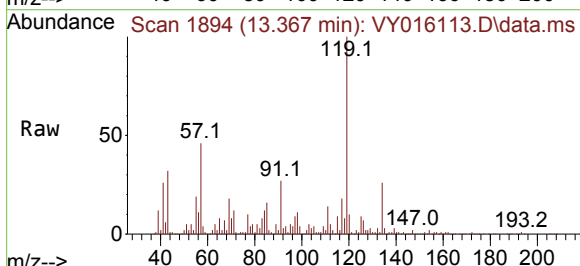
Tgt Ion:119 Resp: 159886

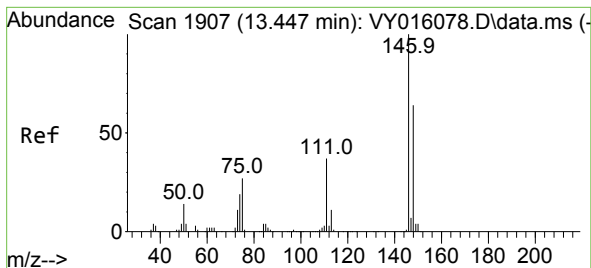
Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 27.8 12.4 37.4





#88

1,4-Dichlorobenzene

Concen: 2.022 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY016113.D

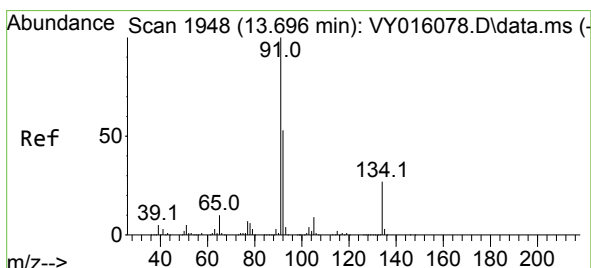
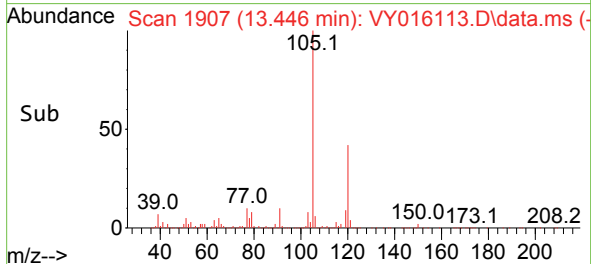
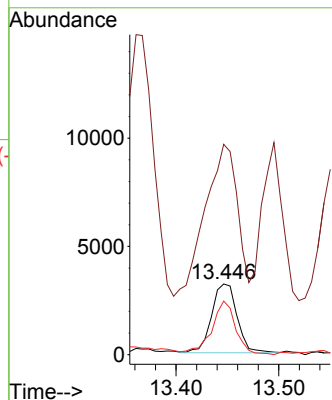
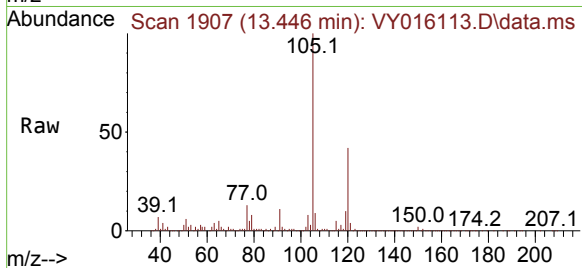
Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:146	Resp:	5464
Ion Ratio	Lower	Upper
146	100	
111	278.6	18.9 56.7#
148	74.4	32.1 96.5



#89

n-Butylbenzene

Concen: 16.622 ug/l

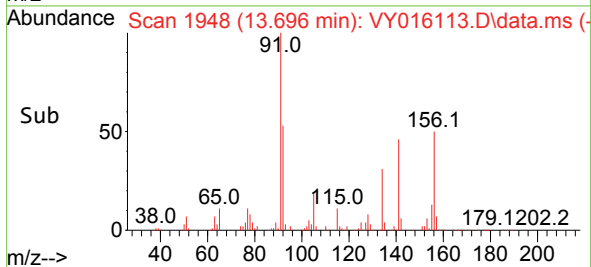
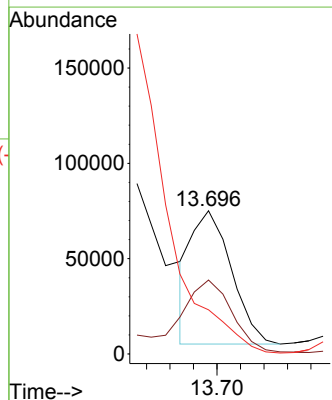
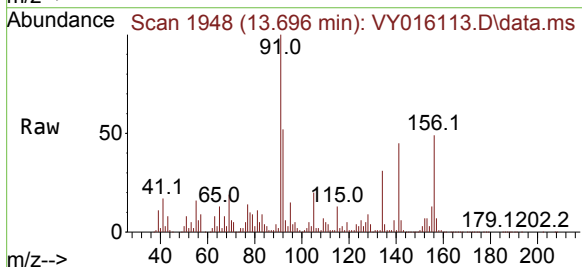
RT: 13.696 min Scan# 1948

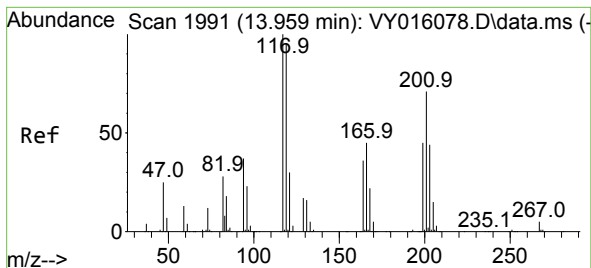
Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Tgt Ion: 91	Resp:	82532
Ion Ratio	Lower	Upper
91	100	
92	81.2	25.4 76.0#
134	0.0	12.6 37.6#





#90

Hexachloroethane

Concen: 46.862 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.012 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

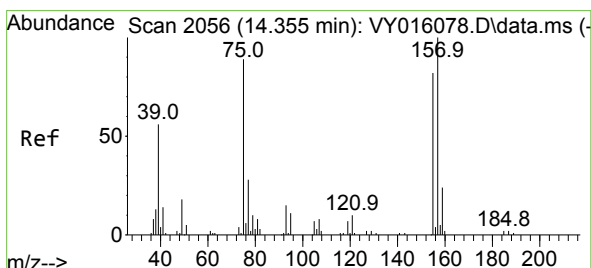
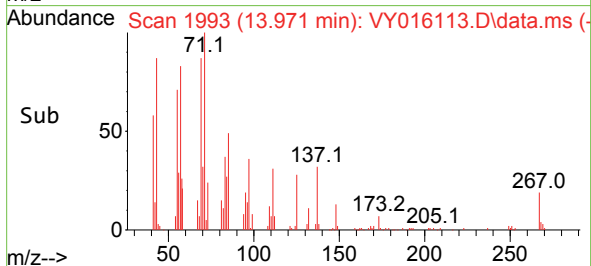
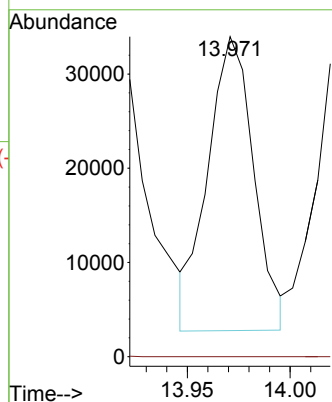
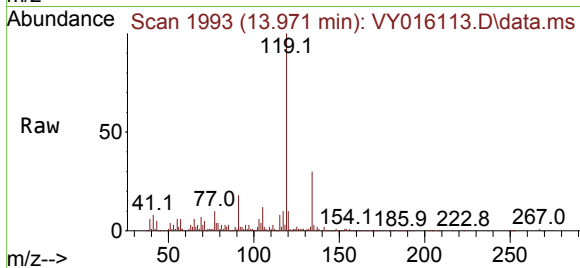
ClientSampleId :

Tgt Ion:117 Resp: 48562

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.925 ug/l

RT: 14.526 min Scan# 2084

Delta R.T. 0.171 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

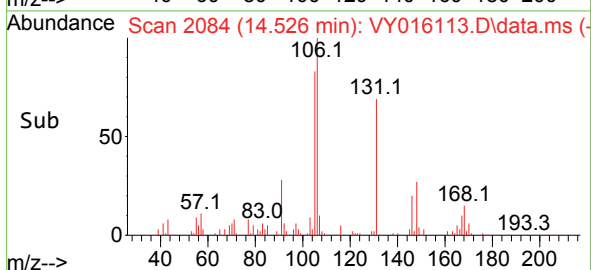
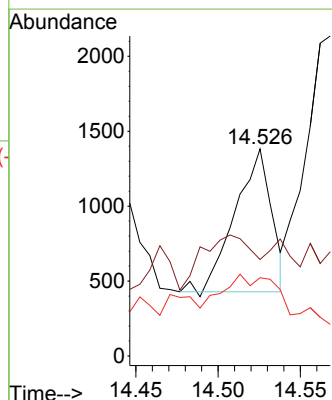
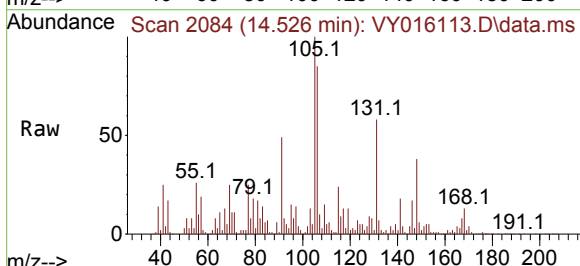
Tgt Ion: 75 Resp: 1476

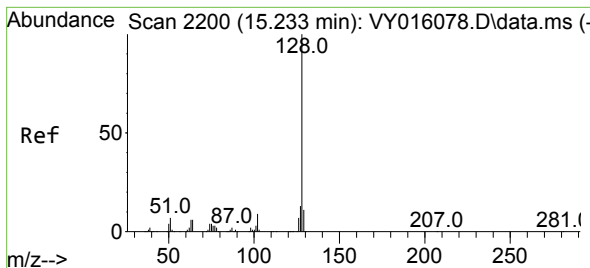
Ion Ratio Lower Upper

75 100

155 53.6 41.5 124.6

157 64.6 51.8 155.5





#95

Naphthalene

Concen: 6136.905 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Instrument :

MSVOA_Y

ClientSampleId :

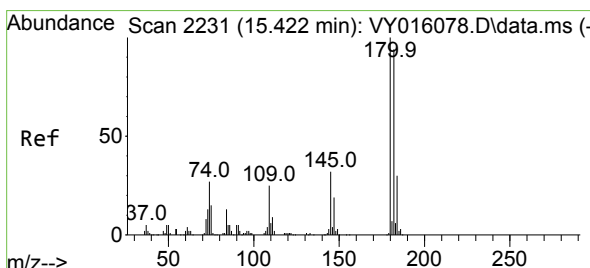
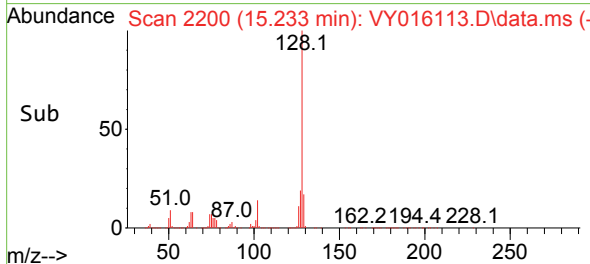
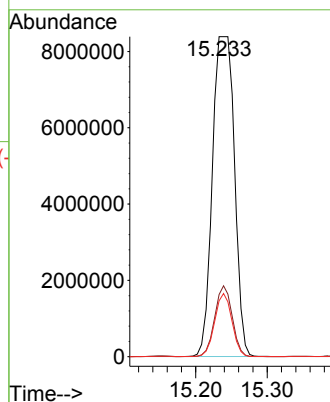
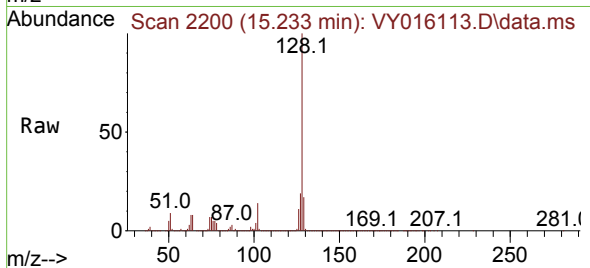
Tgt Ion:128 Resp:17929125

Ion Ratio Lower Upper

128 100

127 17.6 10.8 16.2#

129 15.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.577 ug/l

RT: 15.391 min Scan# 2226

Delta R.T. -0.031 min

Lab File: VY016113.D

Acq: 27 Oct 2023 18:54

Tgt Ion:180 Resp: 2037

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.8#

145 5729.6 15.4 46.2#

